

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110718\
 Data File : BF110568.D
 Acq On : 7 Nov 2018 21:01
 Operator : JU/SJ
 Sample : J5813-09
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 08 16:23:13 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 01 16:06:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	75909	20.00	ng	0.00
21) Naphthalene-d8	8.23	136	278176	20.00	ng	0.00
39) Acenaphthene-d10	9.99	164	106618	20.00	ng	0.00
64) Phenanthrene-d10	11.49	188	187550	20.00	ng	0.00
76) Chrysene-d12	14.14	240	181960	20.00	ng	0.00
87) Perylene-d12	15.67	264	119922	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.57	112	498335	106.91	ng	0.00
7) Phenol-d6	6.58	99	603644	101.24	ng	0.00
23) Nitrobenzene-d5	7.52	82	371926	79.30	ng	0.00
42) 2,4,6-Tribromophenol	10.79	330	103859	98.34	ng	0.00
45) 2-Fluorobiphenyl	9.31	172	591910	87.18	ng	0.00
79) Terphenyl-d14	13.07	244	507166	57.97	ng	0.00

Target Compounds

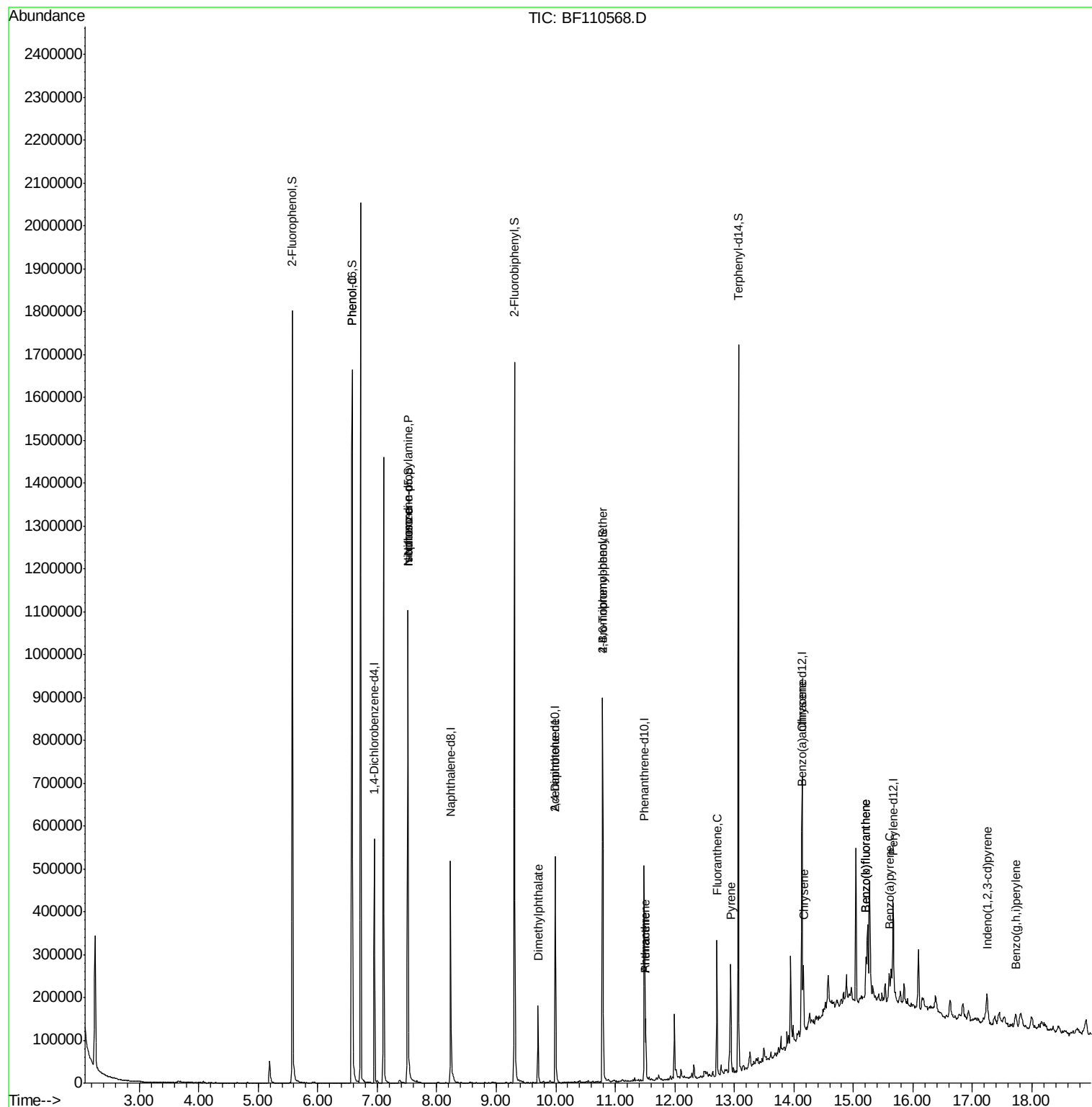
						Qvalue
9) Benzaldehyde	6.58	77	1231	Below Cal	#	1
10) Phenol	6.59	94	38823	6.092 ng	#	77
19) n-Nitroso-di-n-propylamine	7.52	70	48545	12.691 ng	#	80
25) Isophorone	7.52	82	371924	46.522 ng	#	67
50) Dimethylphthalate	9.70	163	79785	10.138 ng		98
57) 2,4-Dinitrotoluene	9.99	165	13456	6.249 ng	#	17
67) 4-Bromophenyl-phenylether	10.79	248	6521	3.205 ng	#	1
71) Phenanthrene	11.51	178	48990	4.992 ng		98
72) Anthracene	11.51	178	48990	4.980 ng		98
75) Fluoranthene	12.70	202	129823	13.035 ng		99
78) Pyrene	12.94	202	105999	8.126 ng		97
81) Benzo(a)anthracene	14.13	228	44671	4.140 ng		97
83) Chrysene	14.16	228	56396	5.503 ng		99
86) Indeno(1,2,3-cd)pyrene	17.24	276	20006	2.353 ng		98
88) Benzo(b)fluoranthene	15.21	252	76762	11.085 ng	#	93
89) Benzo(k)fluoranthene	15.21	252	76762	11.275 ng	#	92
90) Benzo(a)pyrene	15.60	252	29227	4.587 ng	#	94
92) Benzo(a,h,i)perylene	17.73	276	19403	3.581 ng		93

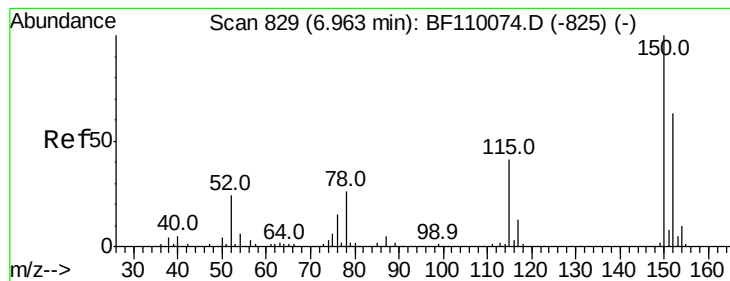
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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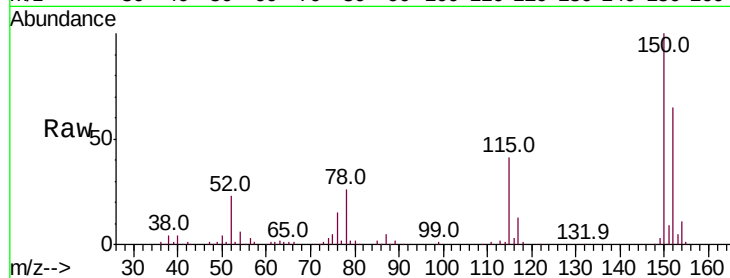


#1

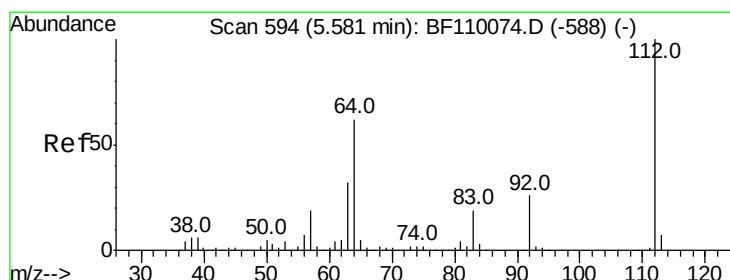
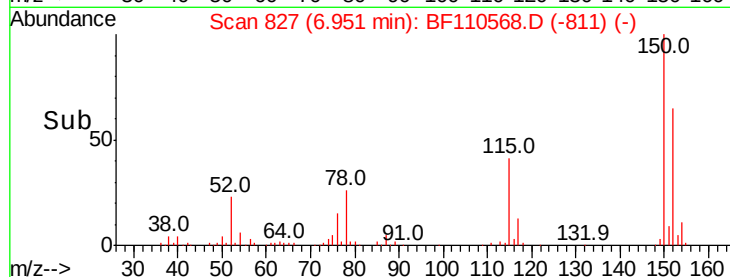
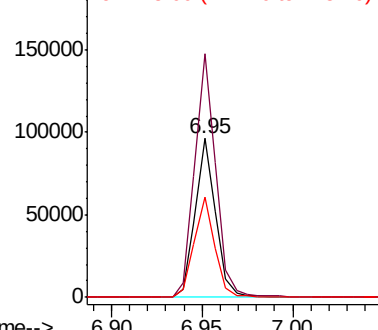
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.95 min Scan# 827
 Delta R.T. -0.01 min
 Lab File: BF110568.D
 Acq: 7 Nov 2018 21:01

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 75909
 Ion Ratio Lower Upper
 152 100
 150 153.4 122.7 184.1
 115 62.9 49.1 73.7



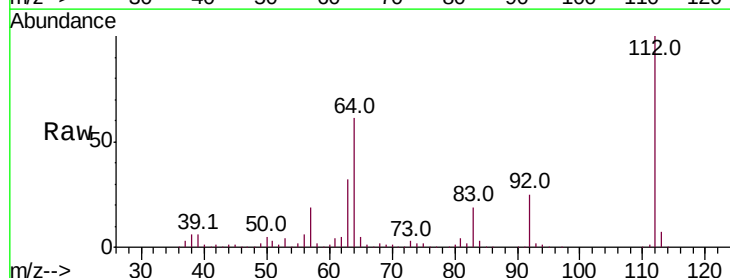
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



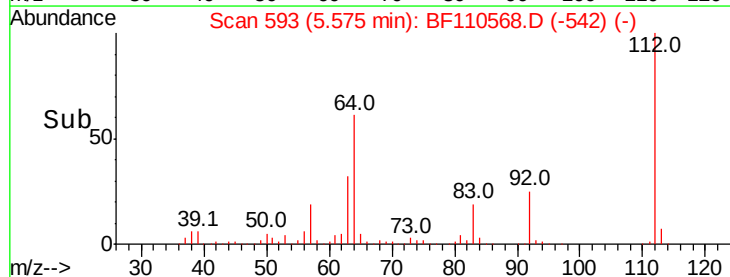
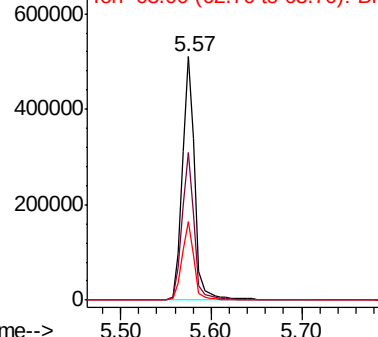
#5

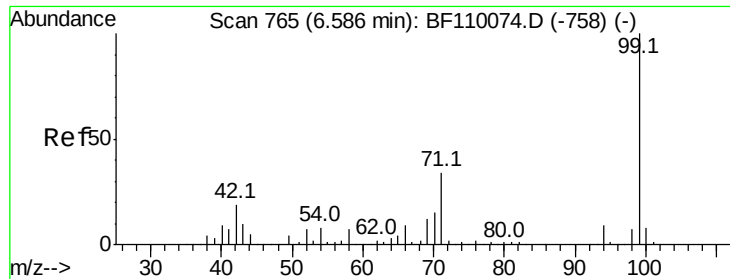
2-Fluorophenol
 Concen: 106.906 ng
 RT: 5.57 min Scan# 593
 Delta R.T. 0.00 min
 Lab File: BF110568.D
 Acq: 7 Nov 2018 21:01

Tgt Ion:112 Resp: 498335
 Ion Ratio Lower Upper
 112 100
 64 60.7 44.1 66.1
 63 32.4 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: 101.243 ng

RT: 6.58 min Scan# 764

Delta R.T. 0.00 min

Lab File: BF110568.D

Acq: 7 Nov 2018 21:01

Instrument :

BNA_F

ClientSampleId :

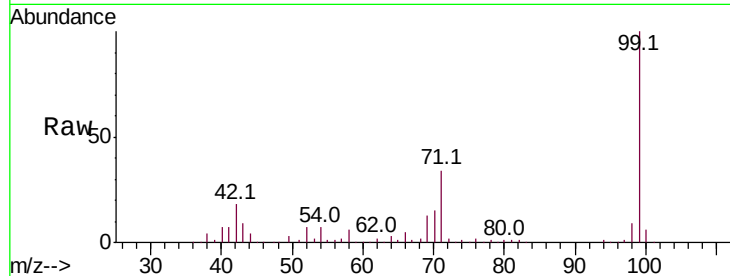
Tot Ion: 99 Resp: 603644

Ion Ratio Lower Upper

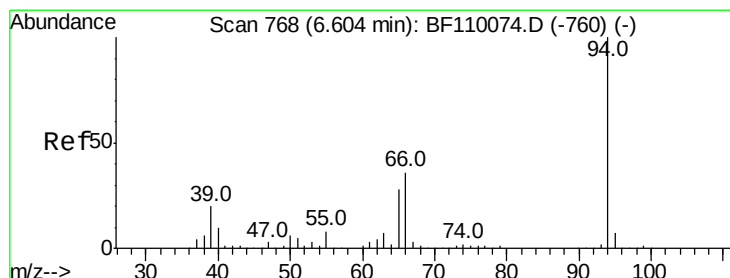
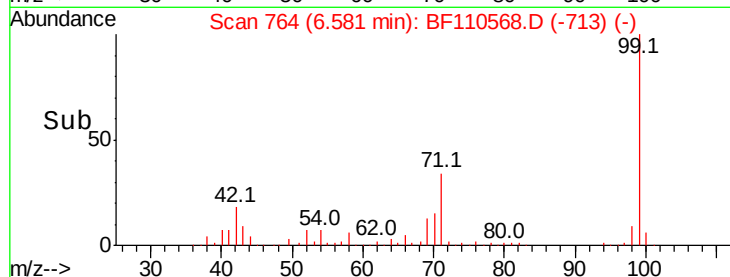
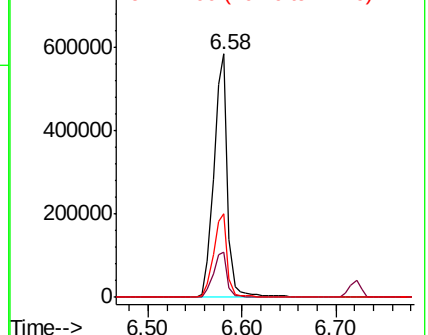
99 100

42 18.4 15.8 23.6

71 34.1 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: 6.092 ng

RT: 6.59 min Scan# 765

Delta R.T. -0.01 min

Lab File: BF110568.D

Acq: 7 Nov 2018 21:01

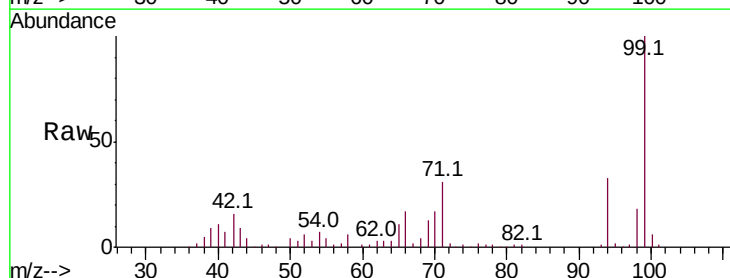
Tgt Ion: 94 Resp: 38823

Ion Ratio Lower Upper

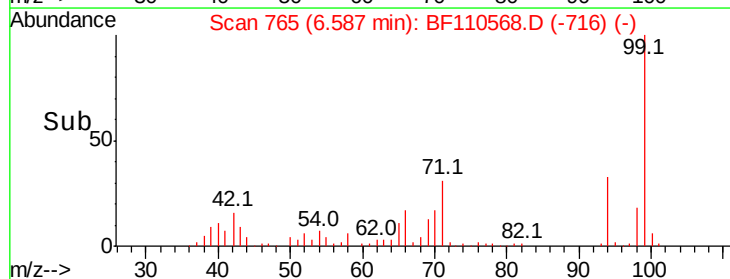
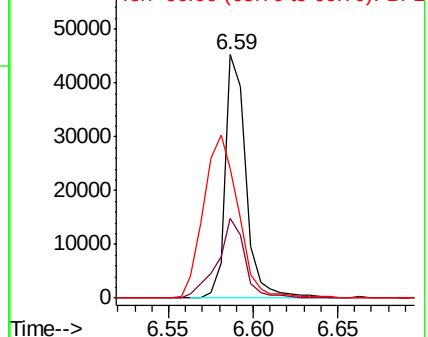
94 100

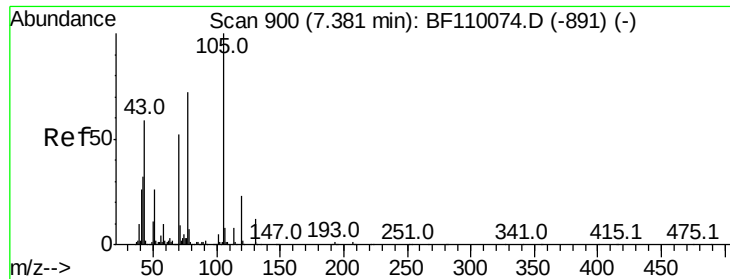
65 32.6 25.3 65.3

66 53.4 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

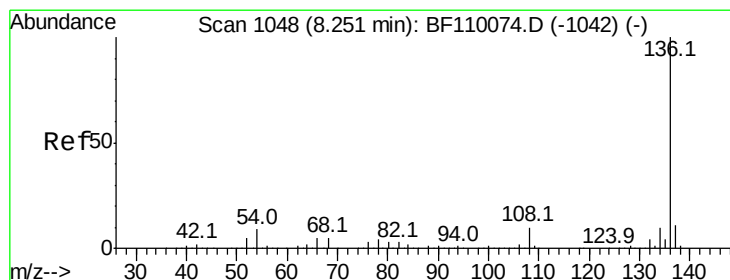
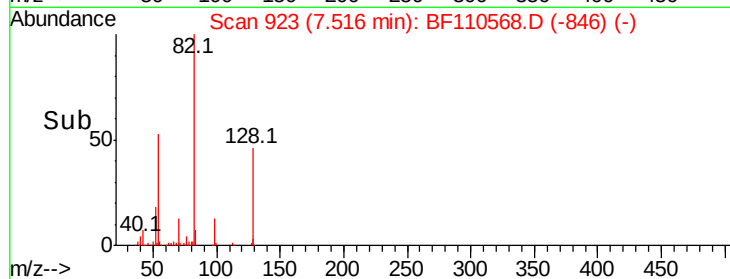
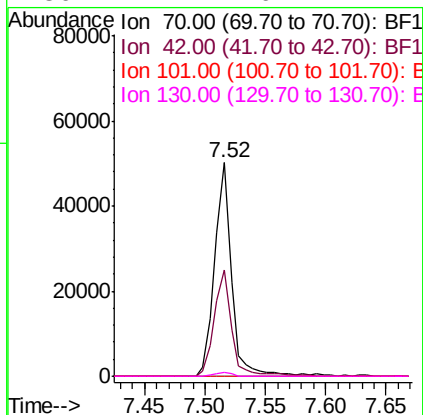
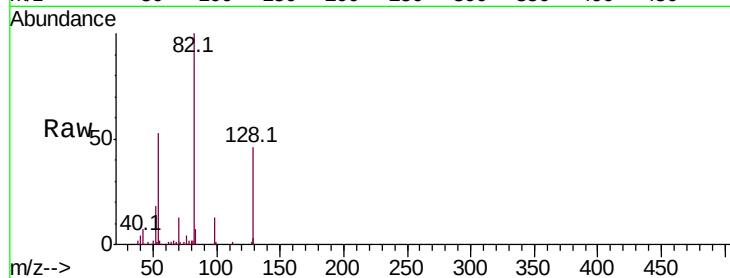




#19
n-Nitroso-di-n-propylamine
Concen: 12.691 ng
RT: 7.52 min Scan# 923
Delta R.T. 0.15 min
Lab File: BF110568.D
Acq: 7 Nov 2018 21:01

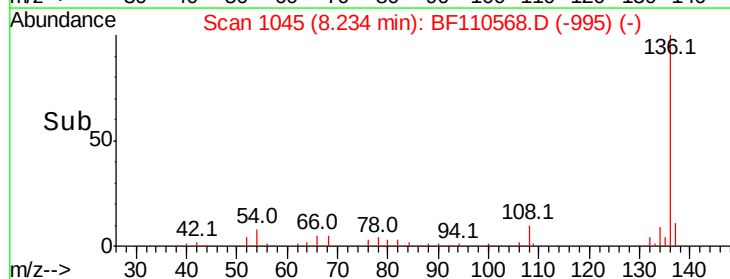
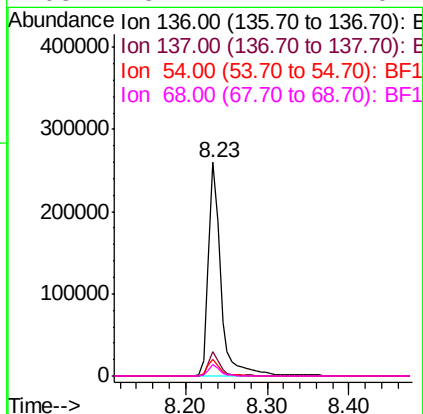
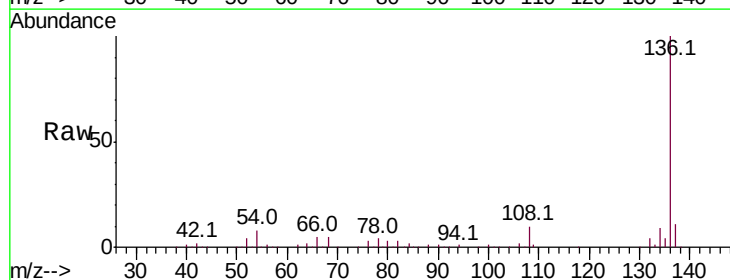
Instrument :
BNA_F
ClientSampleId :

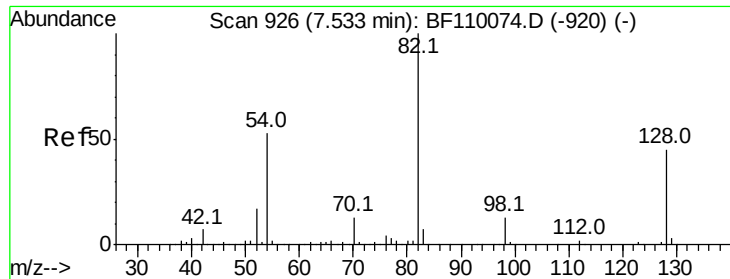
Tot Ion: 70 Resp: 48545
Ion Ratio Lower Upper
70 100
42 49.6 47.4 71.2
101 0.0 7.3 10.9#
130 2.1 16.2 24.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.23 min Scan# 1045
Delta R.T. -0.01 min
Lab File: BF110568.D
Acq: 7 Nov 2018 21:01

Tgt Ion: 136 Resp: 278176
Ion Ratio Lower Upper
136 100
137 11.4 8.8 13.2
54 8.1 5.4 8.2
68 5.4 4.2 6.2

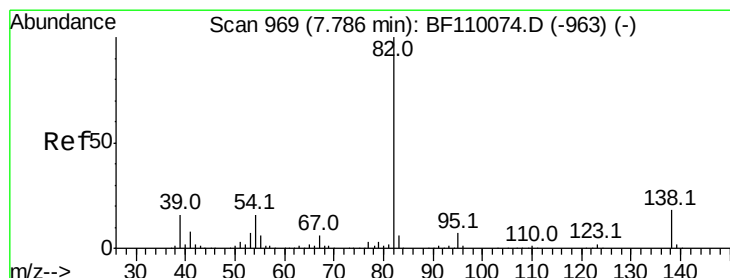
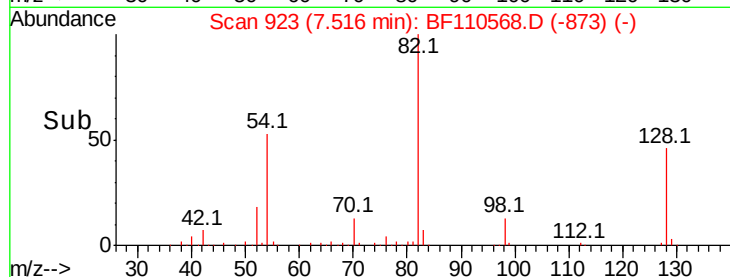
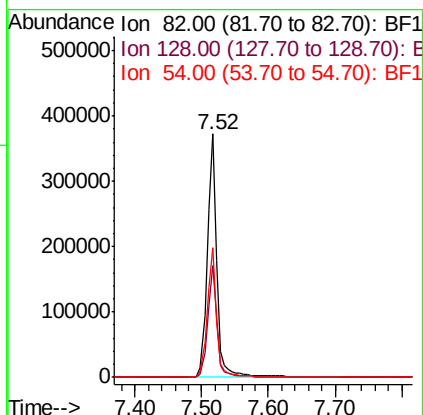
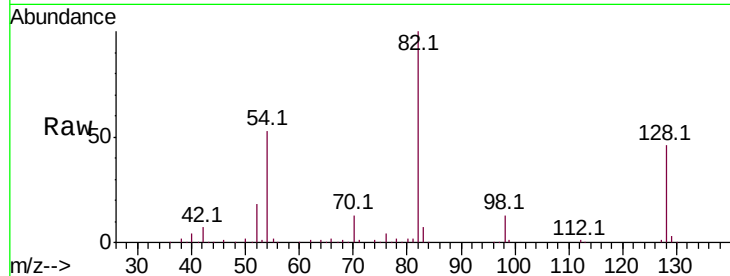




#23
 Nitrobenzene-d5
 Concen: 79.303 ng
 RT: 7.52 min Scan# 923
 Delta R.T. -0.01 min
 Lab File: BF110568.D
 Acq: 7 Nov 2018 21:01

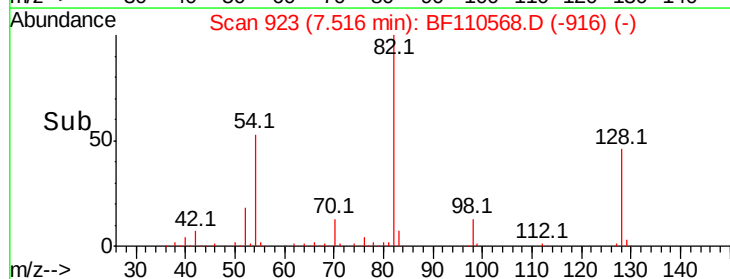
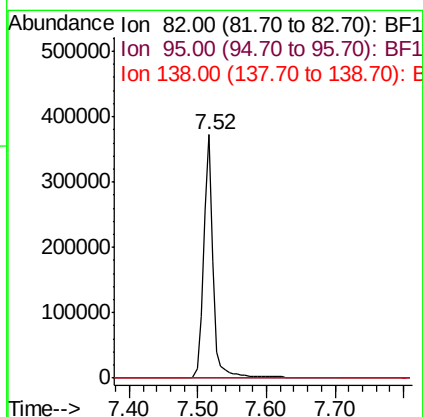
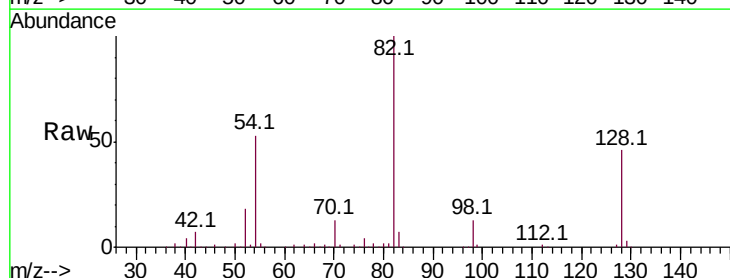
Instrument :
 BNA_F
 ClientSampleId :

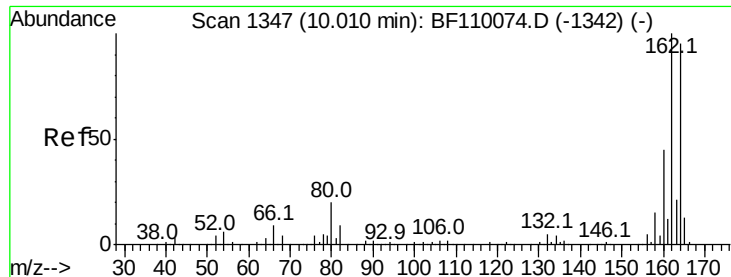
Tot Ion	82	Resp	371926
Ion Ratio	Lower	Upper	
82	100		
128	46.1	34.2	51.2
54	53.2	38.6	58.0



#25
 Isophorone
 Concen: 46.522 ng
 RT: 7.52 min Scan# 923
 Delta R.T. -0.26 min
 Lab File: BF110568.D
 Acq: 7 Nov 2018 21:01

Tgt Ion	82	Resp	371924
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.7	8.5#
138	0.0	13.2	19.8#

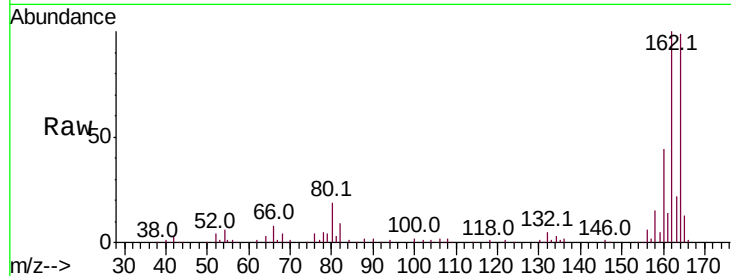




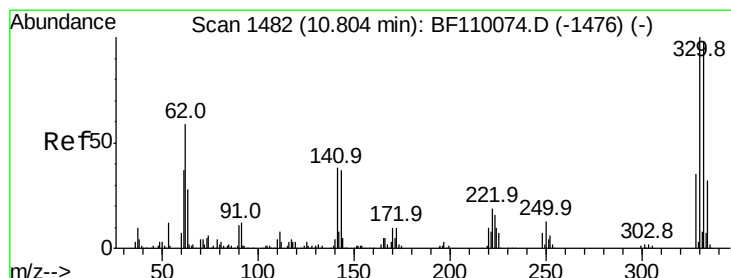
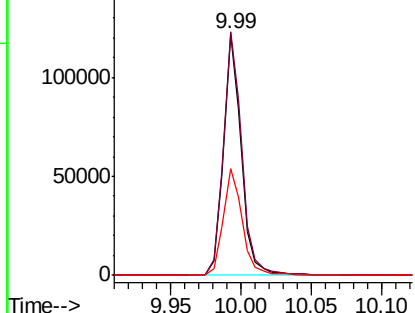
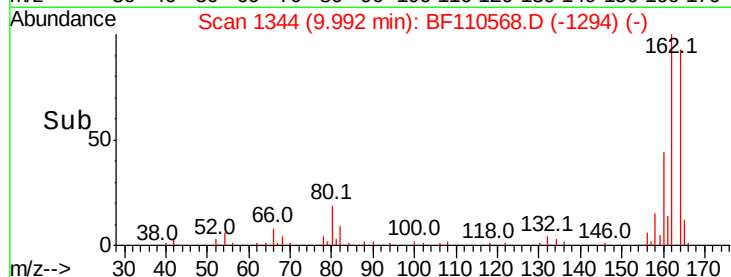
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.99 min Scan# 1344
Delta R.T. -0.01 min
Lab File: BF110568.D
Acq: 7 Nov 2018 21:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 106618
Ion Ratio Lower Upper
164 100
162 100.9 83.0 124.6
160 44.4 37.0 55.6

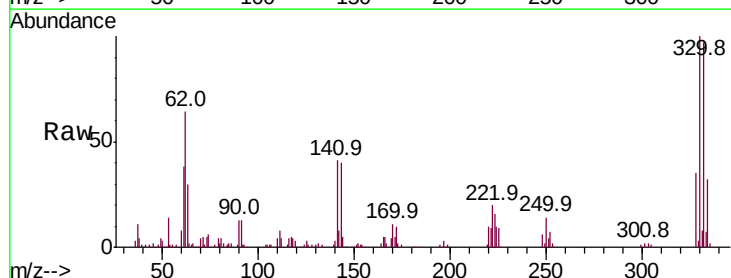


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

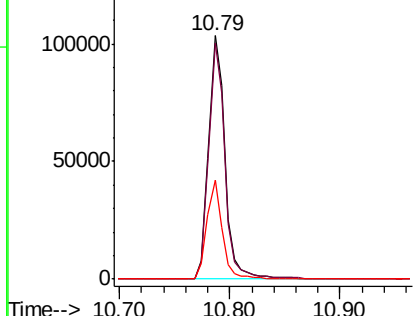
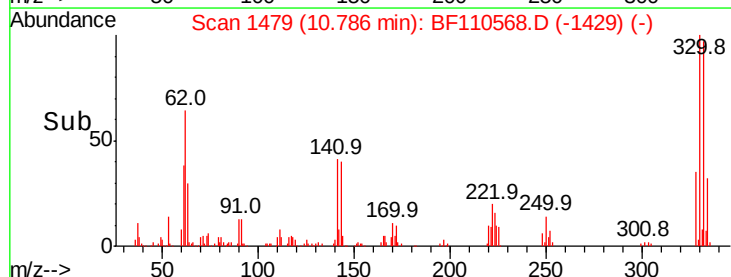


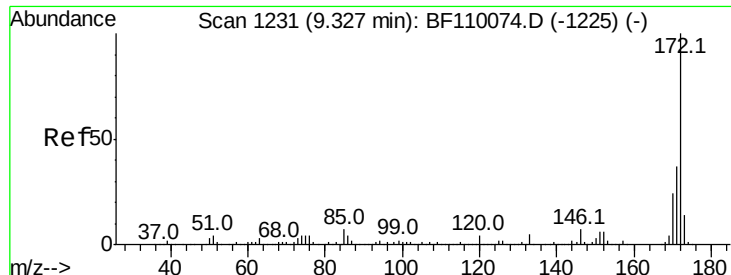
#42
2,4,6-Tribromophenol
Concen: 98.340 ng
RT: 10.79 min Scan# 1479
Delta R.T. -0.01 min
Lab File: BF110568.D
Acq: 7 Nov 2018 21:01

Tgt Ion:330 Resp: 103859
Ion Ratio Lower Upper
330 100
332 96.0 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

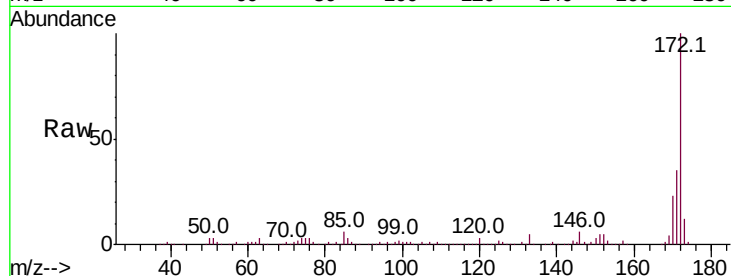




#45
 2-Fluorobiphenyl
 Concen: 87.176 ng
 RT: 9.31 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: BF110568.D
 Acq: 7 Nov 2018 21:01

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.7	28.6	43.0
170	23.3	19.7	29.5

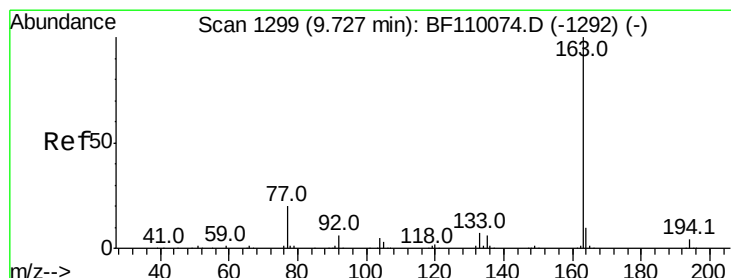
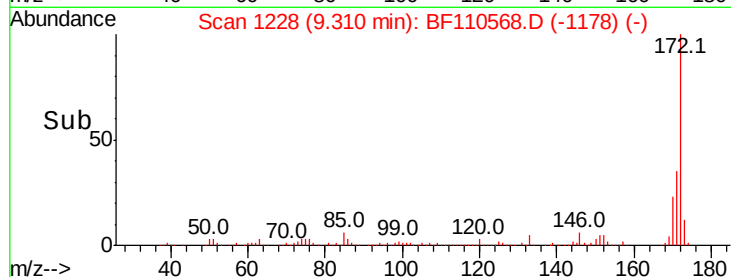
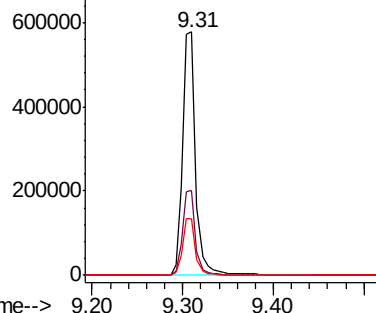


Abundance

Ion 172.00 (171.70 to 172.70): E

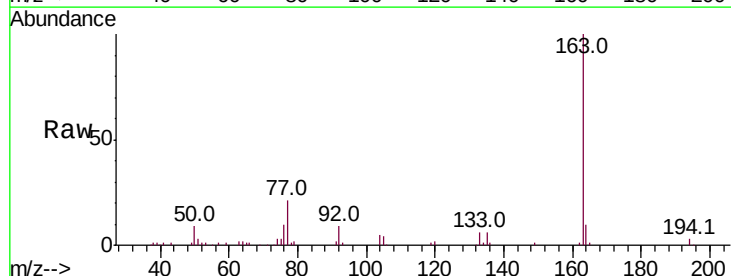
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50
 Dimethylphthalate
 Concen: 10.138 ng
 RT: 9.70 min Scan# 1294
 Delta R.T. -0.02 min
 Lab File: BF110568.D
 Acq: 7 Nov 2018 21:01

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.2	3.2	4.8
164	9.6	8.1	12.1

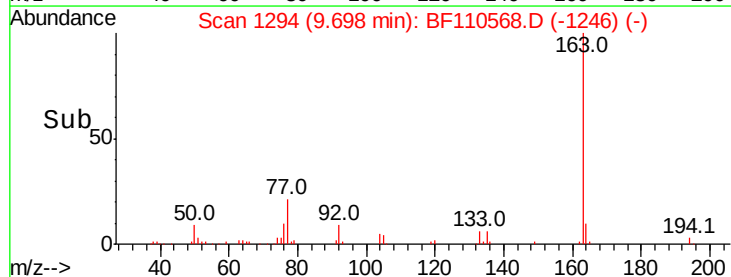
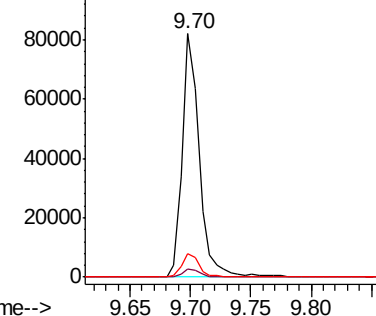


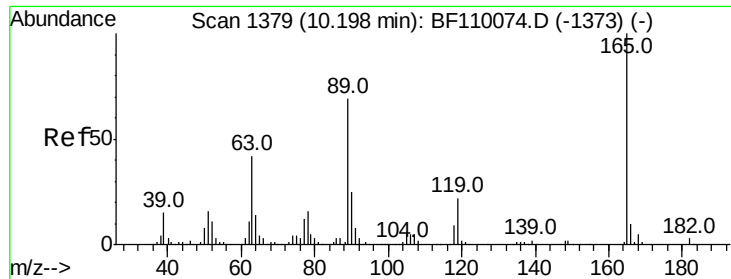
Abundance

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

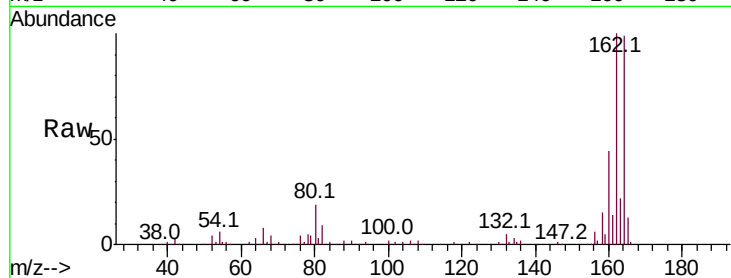




#57
 2,4-Dinitrotoluene
 Concen: 6.249 ng
 RT: 9.99 min Scan# 1344
 Delta R.T. -0.20 min
 Lab File: BF110568.D
 Acq: 7 Nov 2018 21:01

Instrument :
 BNA_F
 ClientSampleId :

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



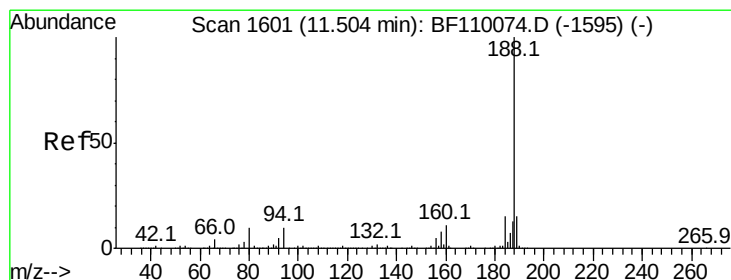
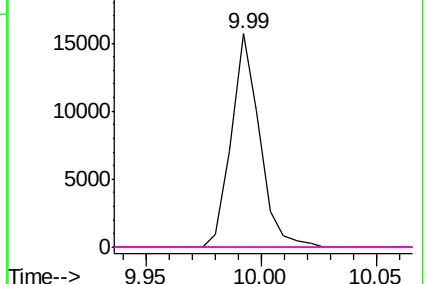
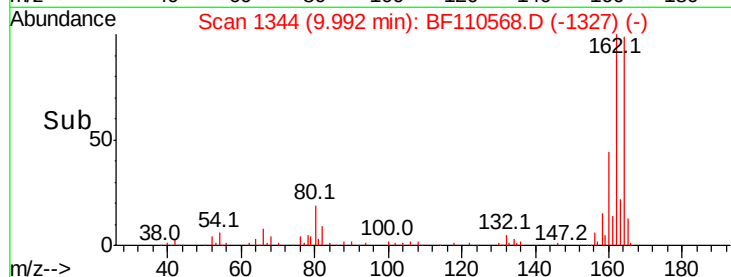
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

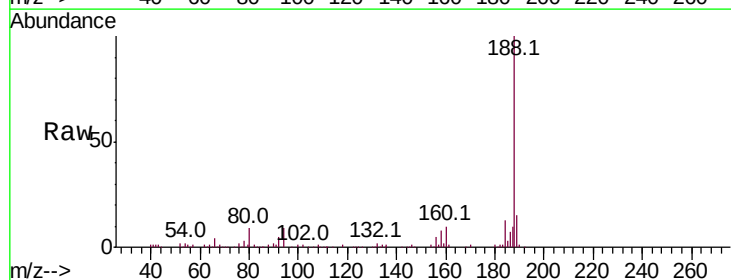
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.49 min Scan# 1598
 Delta R.T. -0.01 min
 Lab File: BF110568.D
 Acq: 7 Nov 2018 21:01

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.8	7.2	10.8
80	9.4	7.9	11.9

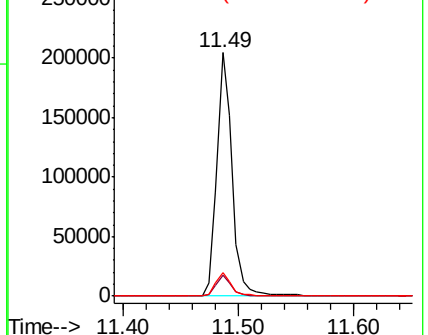
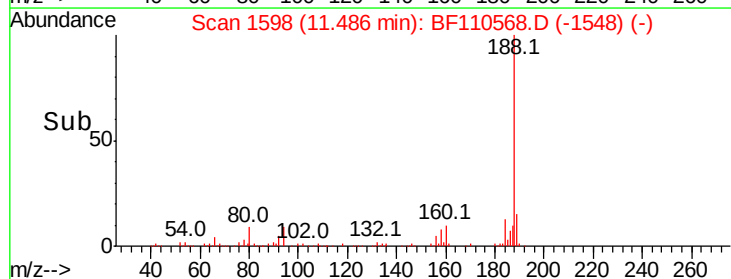


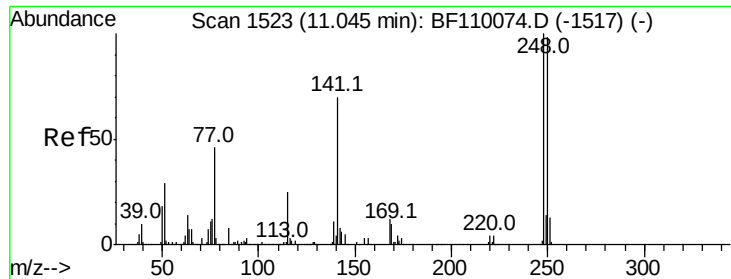
Abundance

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

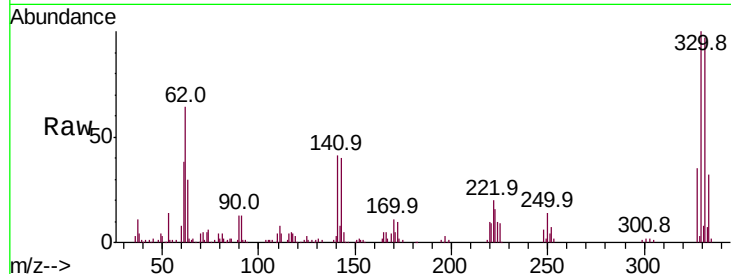




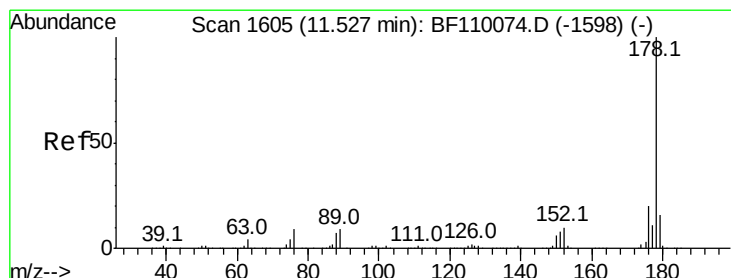
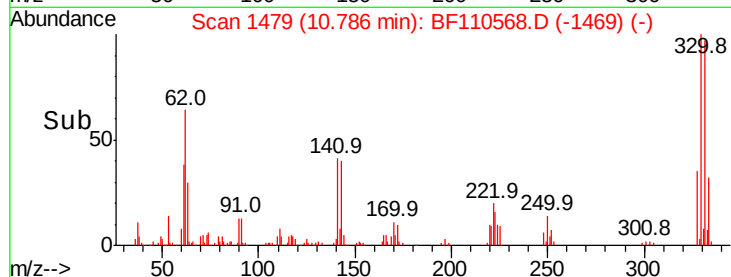
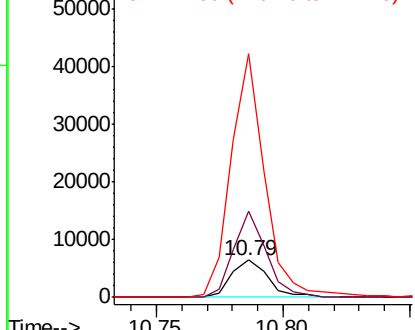
#67
 4-Bromophenyl-phenylether
 Concen: 3.205 ng
 RT: 10.79 min Scan# 1479
 Delta R.T. -0.24 min
 Lab File: BF110568.D
 Acq: 7 Nov 2018 21:01

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 6521
 Ion Ratio Lower Upper
 248 100
 250 230.5 79.4 119.2#
 141 655.1 55.9 83.9#

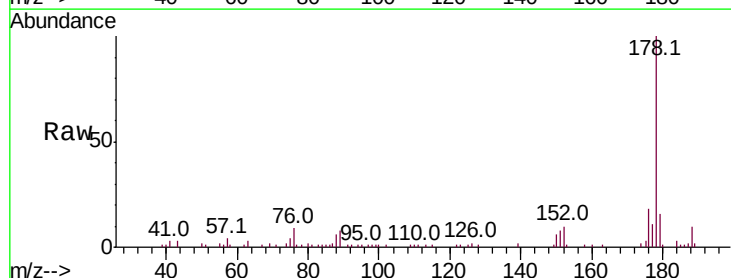


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

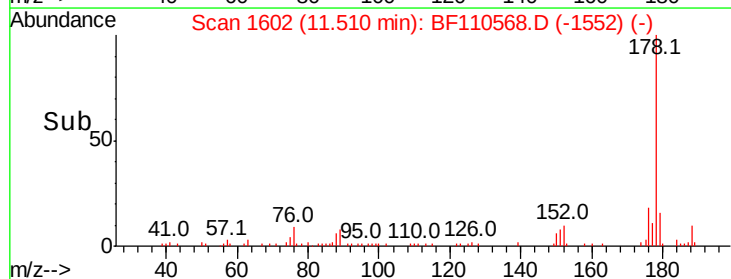
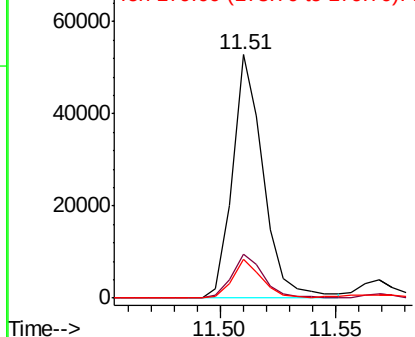


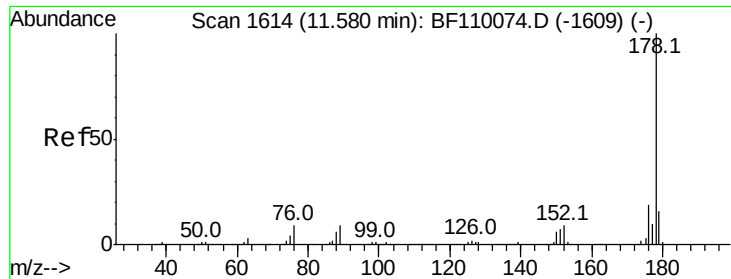
#71
 Phenanthrene
 Concen: 4.992 ng
 RT: 11.51 min Scan# 1602
 Delta R.T. -0.01 min
 Lab File: BF110568.D
 Acq: 7 Nov 2018 21:01

Tgt Ion:178 Resp: 48990
 Ion Ratio Lower Upper
 178 100
 176 18.0 15.5 23.3
 179 15.8 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

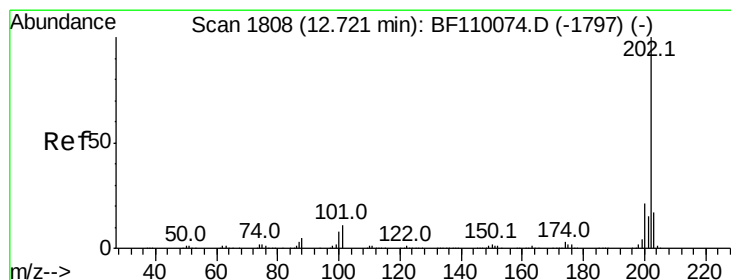
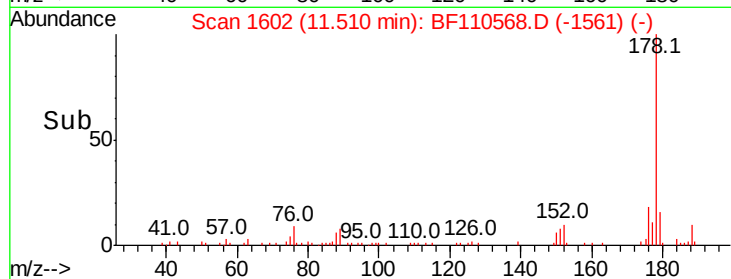
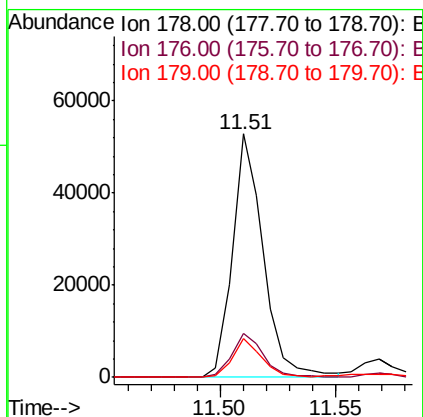
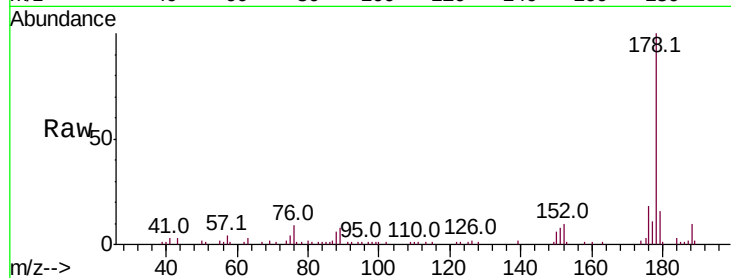




#72
 Anthracene
 Concen: 4.980 ng
 RT: 11.51 min Scan# 1602
 Delta R.T. -0.06 min
 Lab File: BF110568.D
 Acq: 7 Nov 2018 21:01

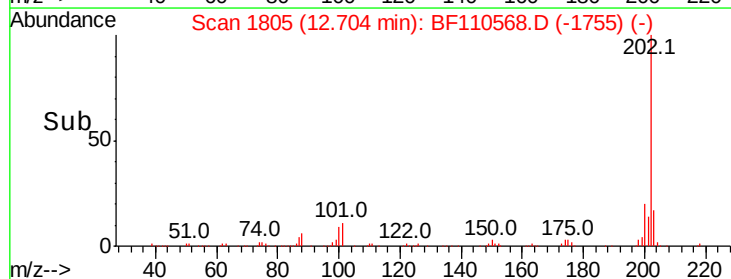
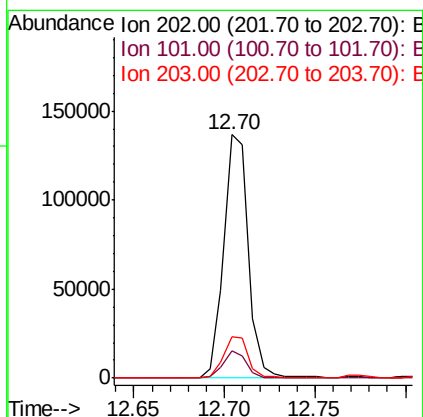
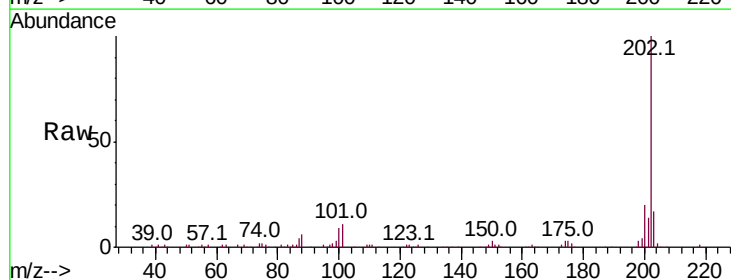
Instrument :
 BNA_F
 ClientSampleId :

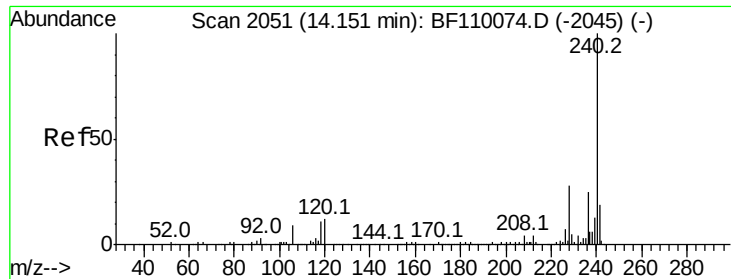
Tot Ion:178 Resp: 48990
 Ion Ratio Lower Upper
 178 100
 176 18.0 15.4 23.2
 179 15.8 12.6 18.8



#75
 Fluoranthene
 Concen: 13.035 ng
 RT: 12.70 min Scan# 1805
 Delta R.T. -0.01 min
 Lab File: BF110568.D
 Acq: 7 Nov 2018 21:01

Tgt Ion:202 Resp: 129823
 Ion Ratio Lower Upper
 202 100
 101 11.2 0.0 31.4
 203 17.2 0.0 37.7

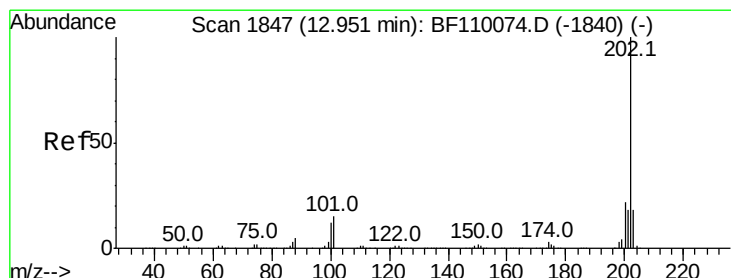
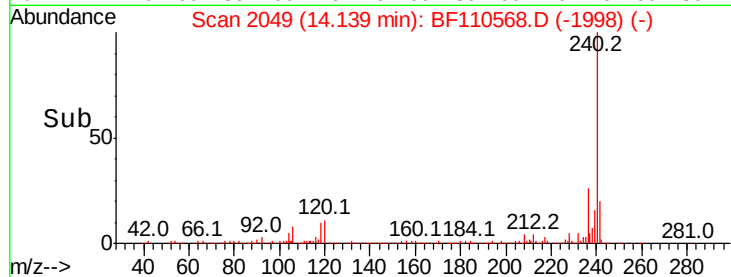
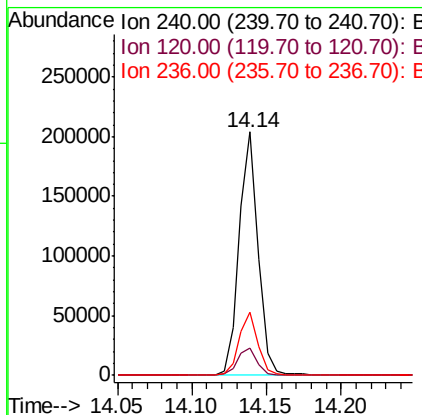
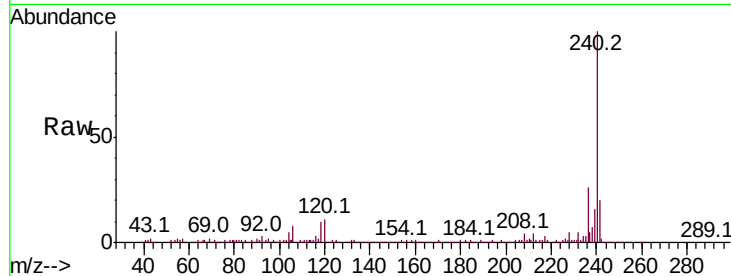




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.14 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: BF110568.D
 Acq: 7 Nov 2018 21:01

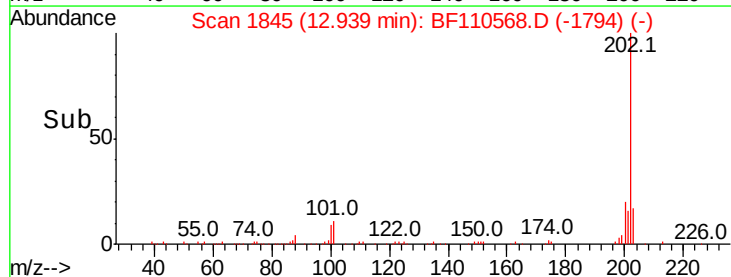
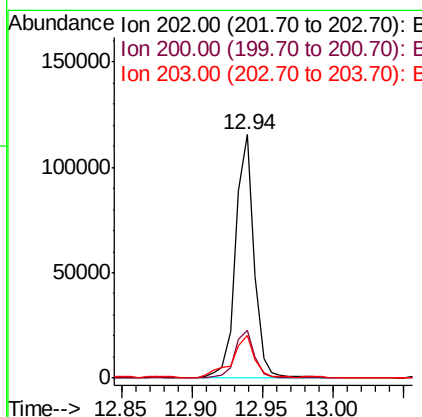
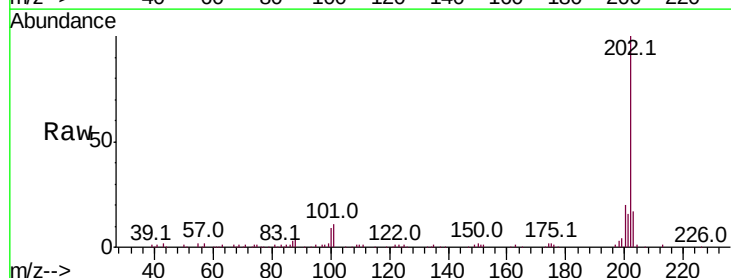
Instrument :
 BNA_F
 ClientSampled :

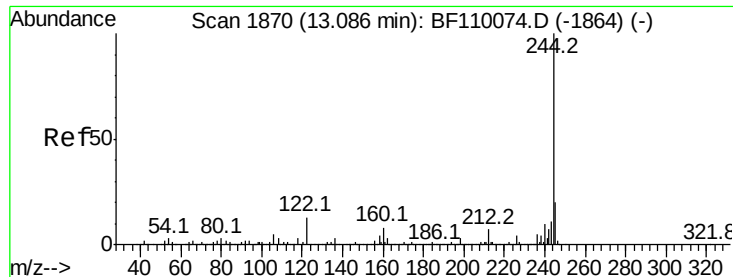
Tot Ion:240 Resp: 181960
 Ion Ratio Lower Upper
 240 100
 120 11.4 8.3 12.5
 236 25.8 21.2 31.8



#78
 Pyrene
 Concen: 8.126 ng
 RT: 12.94 min Scan# 1845
 Delta R.T. 0.00 min
 Lab File: BF110568.D
 Acq: 7 Nov 2018 21:01

Tgt Ion:202 Resp: 105999
 Ion Ratio Lower Upper
 202 100
 200 19.7 17.8 26.6
 203 17.4 14.2 21.4





#79

Terphenyl-d14

Concen: 57.967 ng

RT: 13.07 min Scan# 1867

Delta R.T. -0.01 min

Lab File: BF110568.D

Acq: 7 Nov 2018 21:01

Instrument :

BNA_F

ClientSampleId :

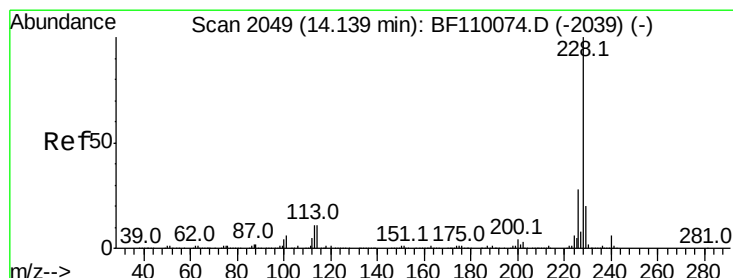
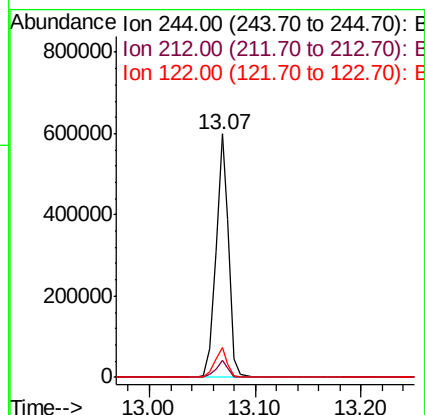
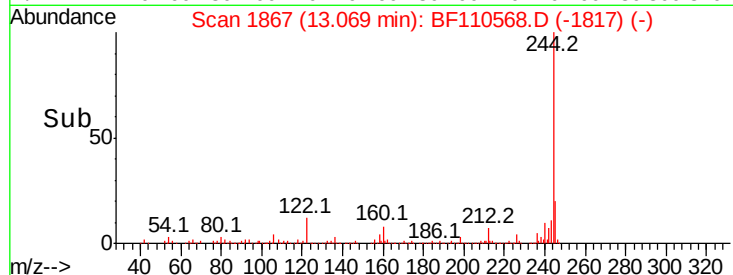
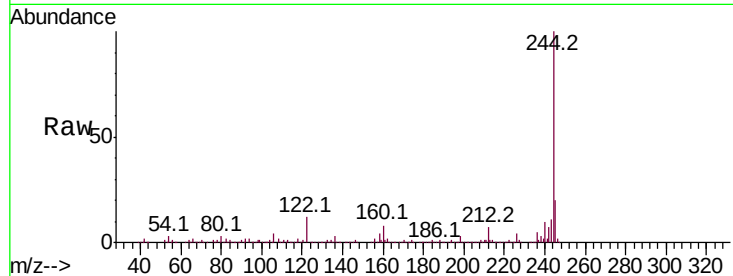
Tot Ion:244 Resp: 507166

Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.8

122 12.5 8.7 13.1



#81

Benzo(a)anthracene

Concen: 4.140 ng

RT: 14.13 min Scan# 2047

Delta R.T. 0.00 min

Lab File: BF110568.D

Acq: 7 Nov 2018 21:01

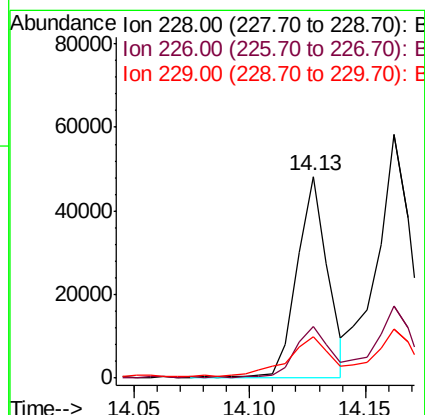
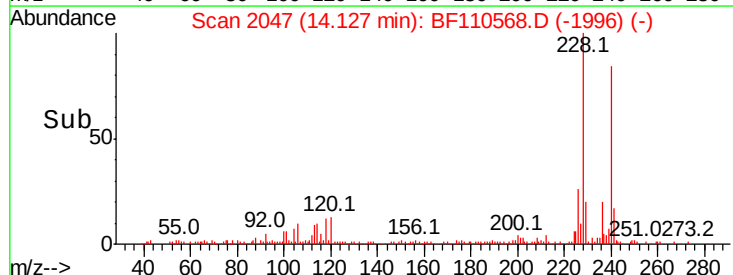
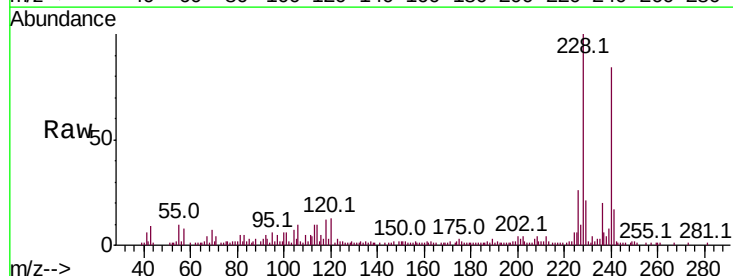
Tgt Ion:228 Resp: 44671

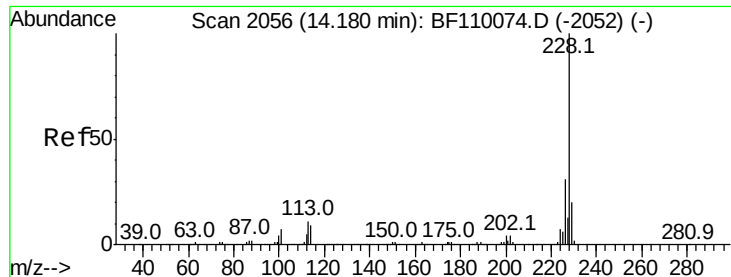
Ion Ratio Lower Upper

228 100

226 25.5 22.1 33.1

229 20.7 15.6 23.4





#83

Chrysene

Concen: 5.503 ng

RT: 14.16 min Scan# 2053

Delta R.T. -0.01 min

Lab File: BF110568.D

Acq: 7 Nov 2018 21:01

Instrument :

BNA_F

ClientSampleId :

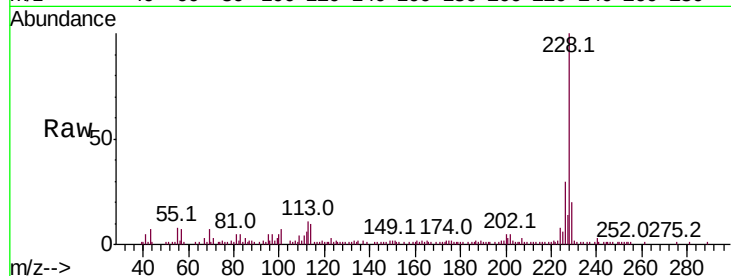
Tot Ion:228 Resp: 56396

Ion Ratio Lower Upper

228 100

226 29.9 24.7 37.1

229 20.2 15.9 23.9

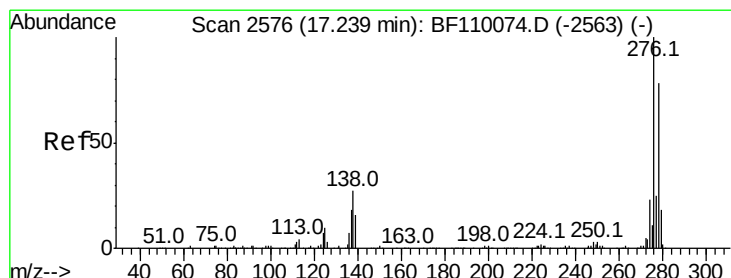
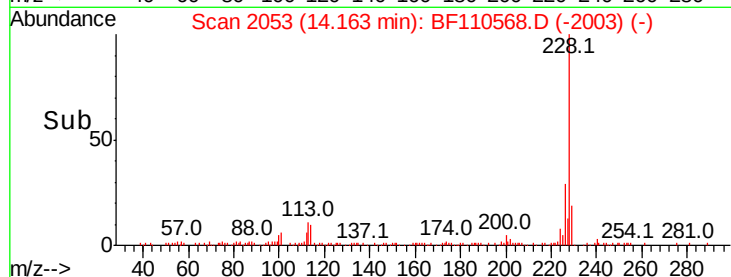
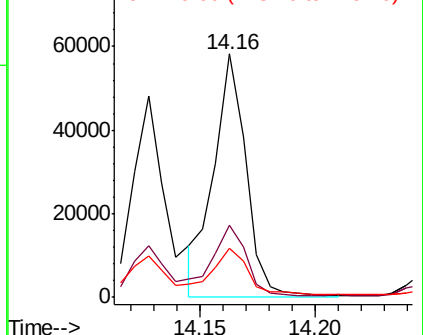


Abundance

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: 2.353 ng

RT: 17.24 min Scan# 2576

Delta R.T. 0.01 min

Lab File: BF110568.D

Acq: 7 Nov 2018 21:01

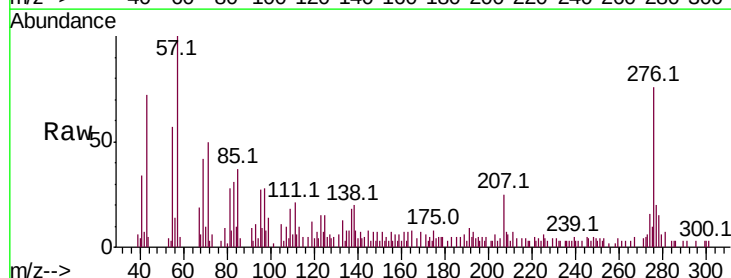
Tgt Ion:276 Resp: 20006

Ion Ratio Lower Upper

276 100

138 24.2 18.5 27.7

277 23.8 20.0 30.0

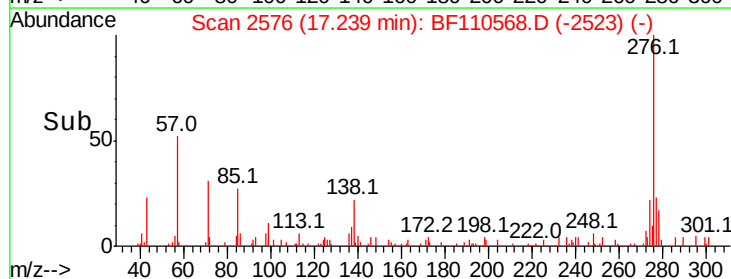
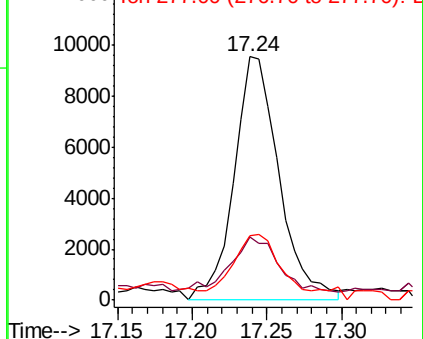


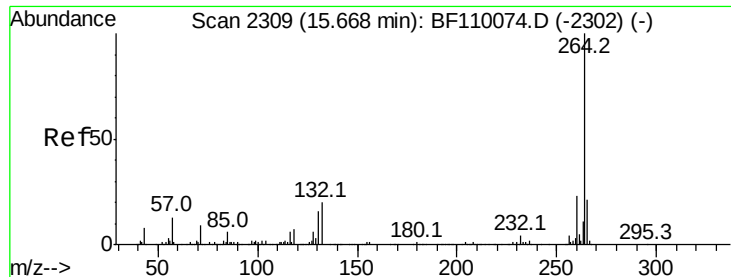
Abundance

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



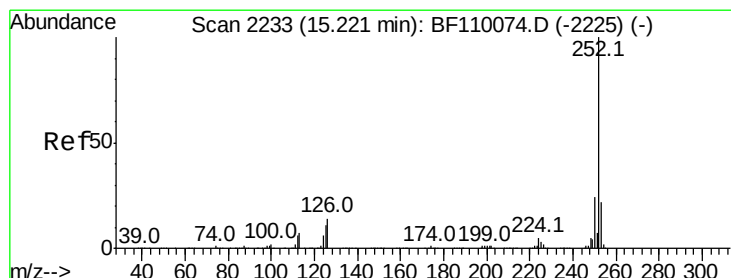
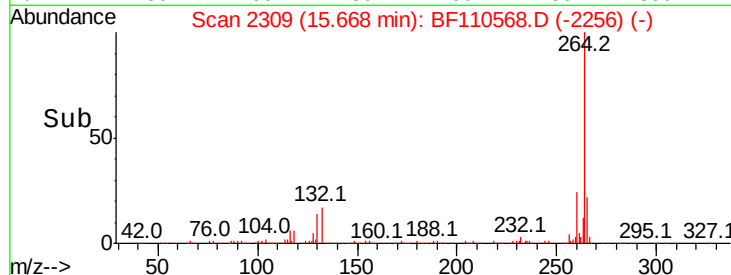
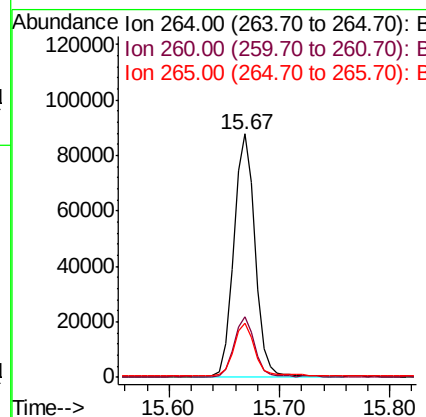
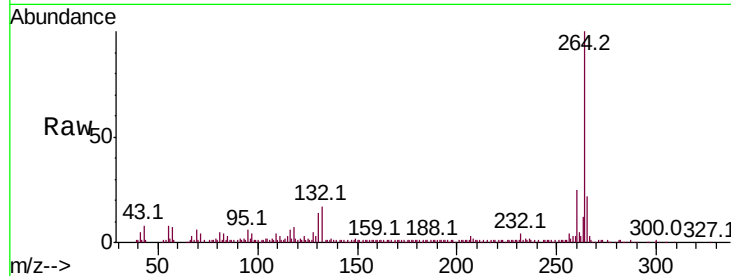


#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.67 min Scan# 2309
Delta R.T. 0.01 min
Lab File: BF110568.D
Acq: 7 Nov 2018 21:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 119922

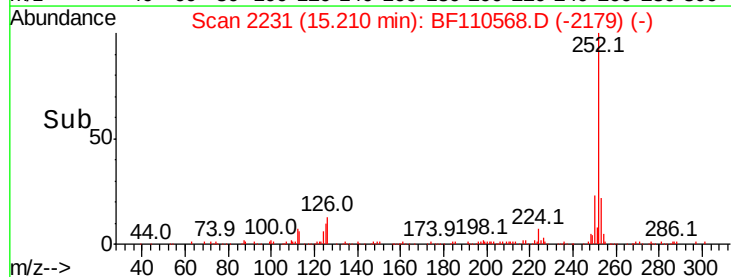
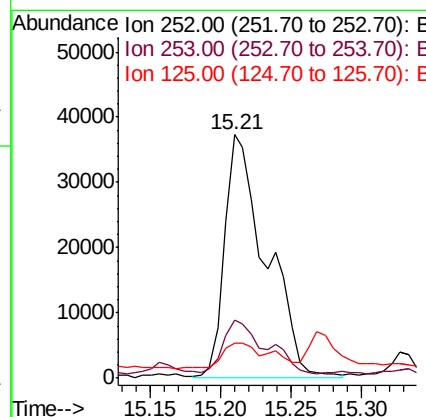
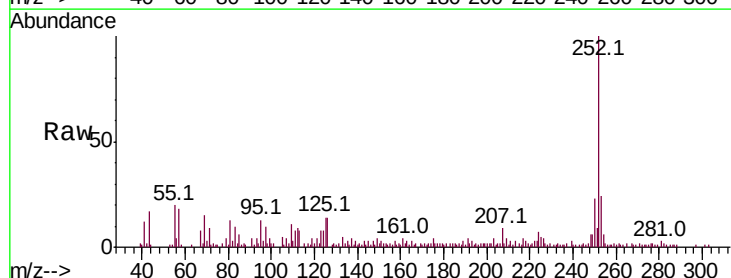
Ion	Ratio	Lower	Upper
264	100		
260	24.7	18.7	28.1
265	22.3	16.7	25.1

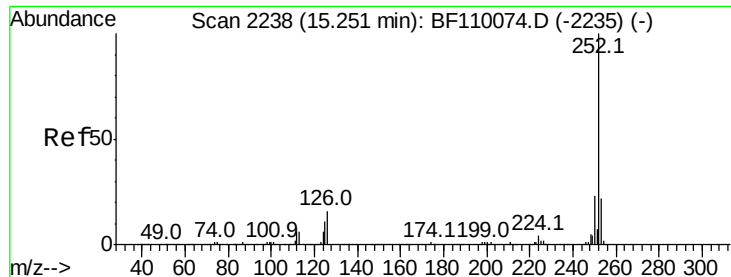


#88
Benzo(b)fluoranthene
Concen: 11.085 ng
RT: 15.21 min Scan# 2231
Delta R.T. 0.01 min
Lab File: BF110568.D
Acq: 7 Nov 2018 21:01

Tgt Ion:252 Resp: 76762

Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.2	25.8
125	14.2	8.2	12.4





#89

Benzo(k)fluoranthene

Concen: 11.275 ng

RT: 15.21 min Scan# 2231

Delta R.T. -0.03 min

Lab File: BF110568.D

Acq: 7 Nov 2018 21:01

Instrument :

BNA_F

ClientSampled :

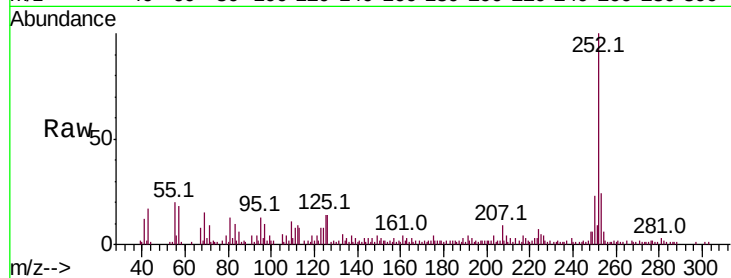
Tot Ion:252 Resp: 76762

Ion Ratio Lower Upper

252 100

253 24.0 17.2 25.8

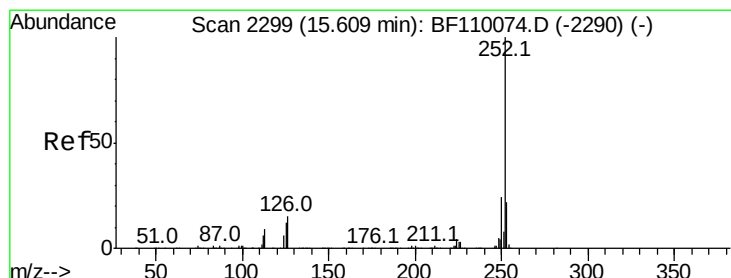
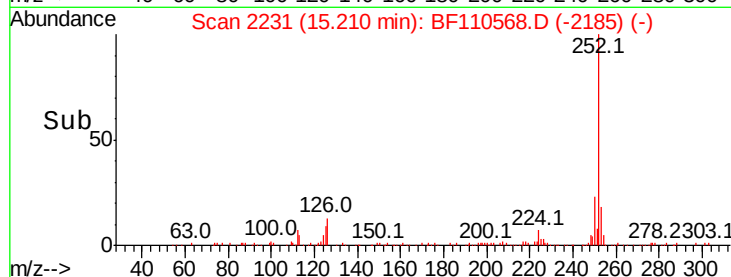
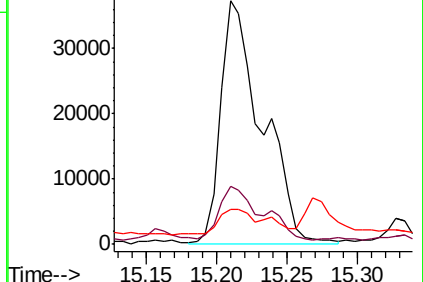
125 14.2 7.4 11.0#



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: 4.587 ng

RT: 15.60 min Scan# 2298

Delta R.T. 0.01 min

Lab File: BF110568.D

Acq: 7 Nov 2018 21:01

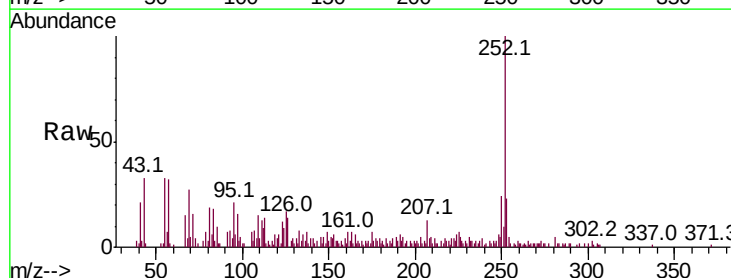
Tgt Ion:252 Resp: 29227

Ion Ratio Lower Upper

252 100

253 23.0 18.2 27.4

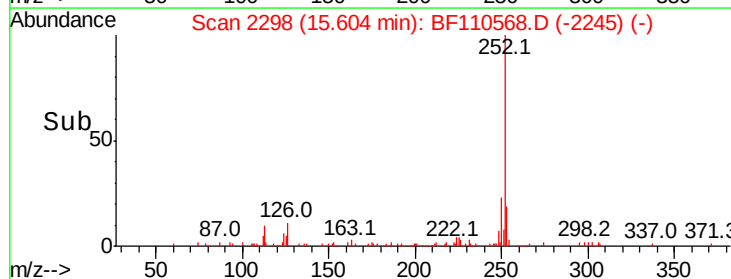
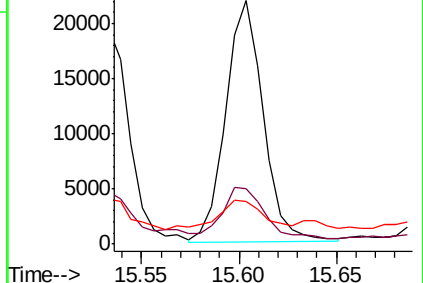
125 17.5 9.0 13.6#

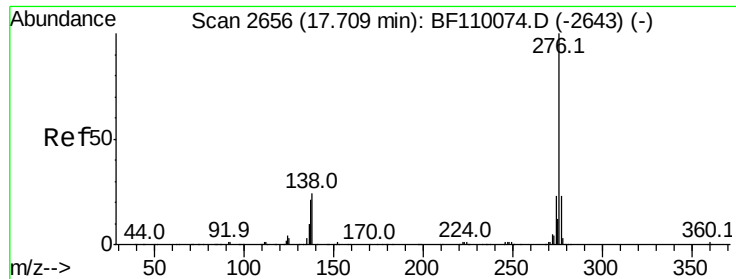


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#92
 Benzo(a,h,i)perylene
 Concen: 3.581 ng
 RT: 17.73 min Scan# 2659
 Delta R.T. 0.02 min
 Lab File: BF110568.D
 Acq: 7 Nov 2018 21:01

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion: 276 Resp: 19403
 Ion Ratio Lower Upper
 276 100
 277 26.3 18.8 28.2
 138 23.5 16.0 24.0

