

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110718\
 Data File : BF110569.D
 Acq On : 7 Nov 2018 21:28
 Operator : JU/SJ
 Sample : J5813-10
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 08 16:23:24 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	64209	20.00	ng	0.00
21) Naphthalene-d8	8.23	136	224808	20.00	ng	0.00
39) Acenaphthene-d10	9.99	164	85246	20.00	ng	0.00
64) Phenanthrene-d10	11.49	188	153430	20.00	ng	0.00
76) Chrysene-d12	14.14	240	156994	20.00	ng	0.00
87) Perylene-d12	15.67	264	103822	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	345038	87.51	ng	0.00
7) Phenol-d6	6.57	99	410717	81.44	ng	0.00
23) Nitrobenzene-d5	7.52	82	245249	64.71	ng	0.00
42) 2,4,6-Tribromophenol	10.79	330	70615	83.63	ng	0.00
45) 2-Fluorobiphenyl	9.30	172	390248	71.88	ng	-0.01
79) Terphenyl-d14	13.07	244	362830	48.06	ng	0.00

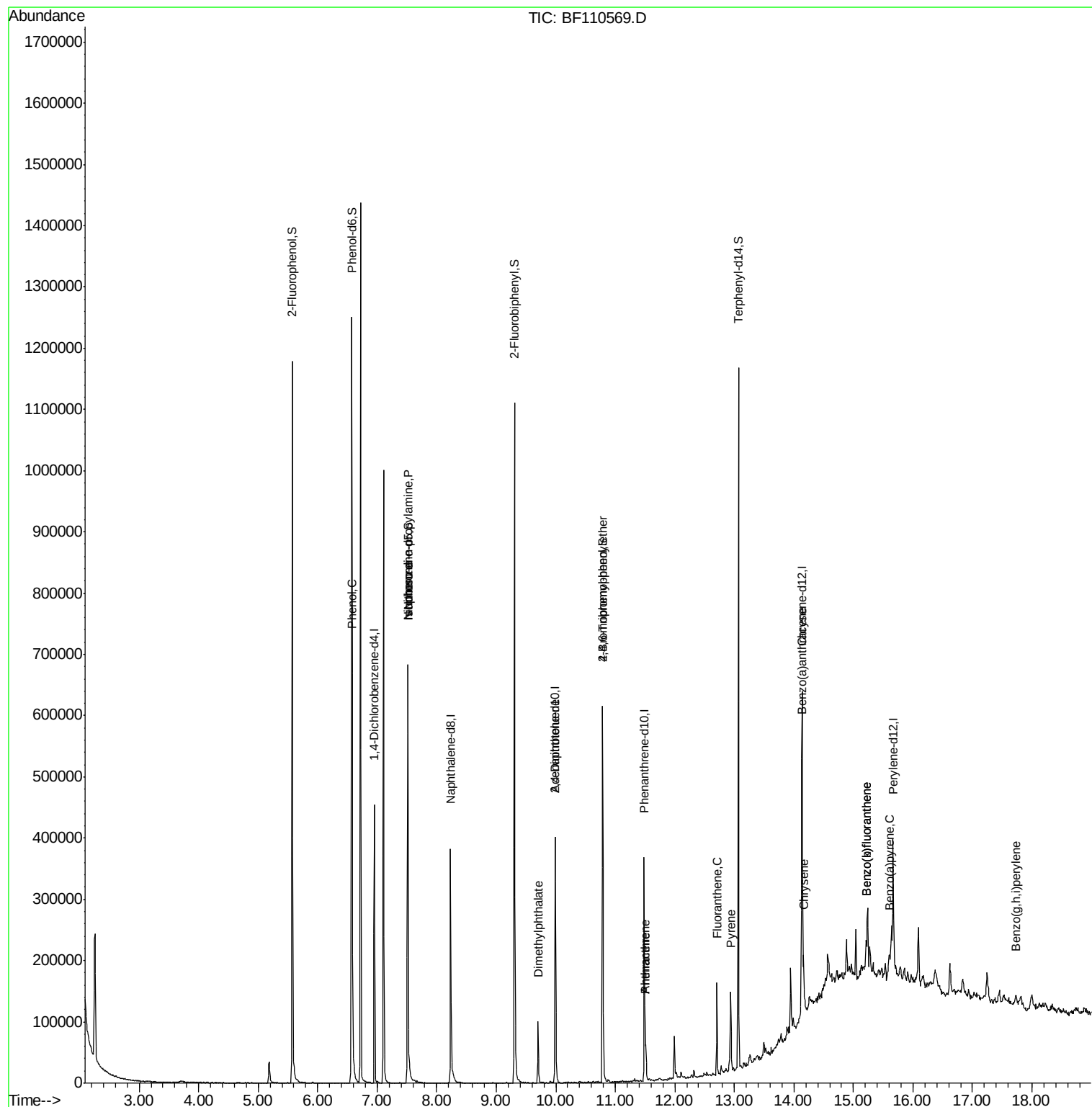
Target Compounds				Qvalue		
9) Benzaldehyde	6.57	77	649	Below Cal	#	1
10) Phenol	6.59	94	24851	4.610	ng	# 69
19) n-Nitroso-di-n-propylamine	7.52	70	32128	9.930	ng	# 79
25) Isophorone	7.52	82	245249	37.960	ng	# 67
50) Dimethylphthalate	9.70	163	52200	8.295	ng	100
57) 2,4-Dinitrotoluene	9.99	165	10523	6.112	ng	# 17
67) 4-Bromophenyl-phenylether	10.79	248	4417	2.654	ng	# 1
71) Phenanthrene	11.51	178	24513	3.053	ng	97
72) Anthracene	11.51	178	24513	3.046	ng	97
75) Fluoranthene	12.70	202	62154	7.628	ng	98
78) Pyrene	12.94	202	51142	4.544	ng	97
81) Benzo(a)anthracene	14.13	228	22379	2.404	ng	97
83) Chrysene	14.16	228	25697	2.906	ng	97
88) Benzo(b)fluoranthene	15.22	252	36035	6.010	ng	# 83
89) Benzo(k)fluoranthene	15.22	252	36035	6.114	ng	# 82
90) Benzo(a)pyrene	15.60	252	14383	2.607	ng	# 87
92) Benzo(a,h,i)perylene	17.73	276	10433	2.224	ng	# 93

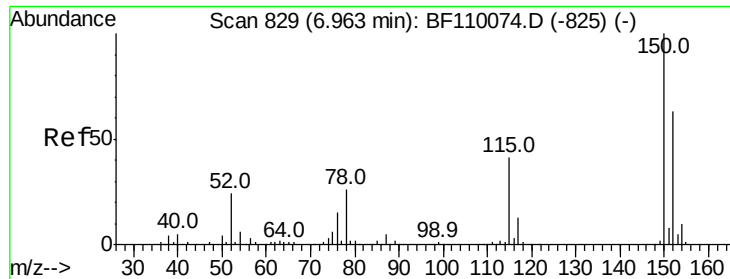
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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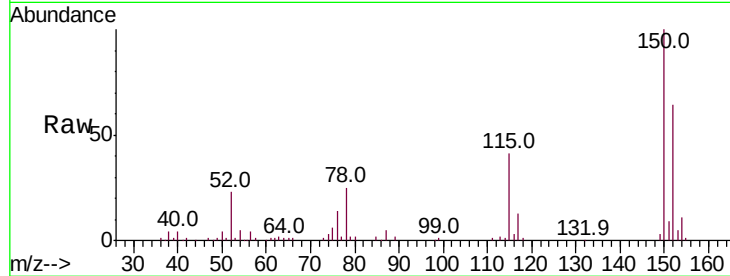


#1

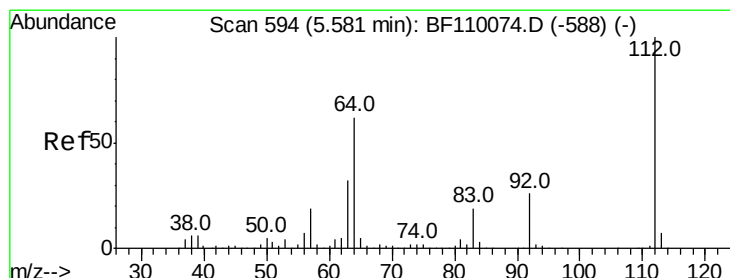
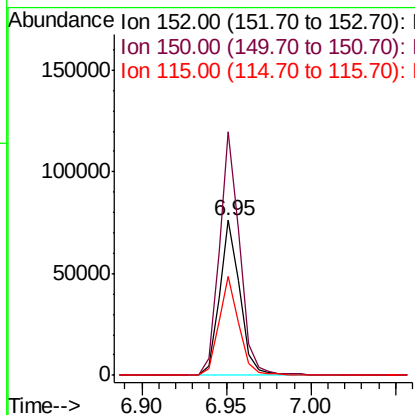
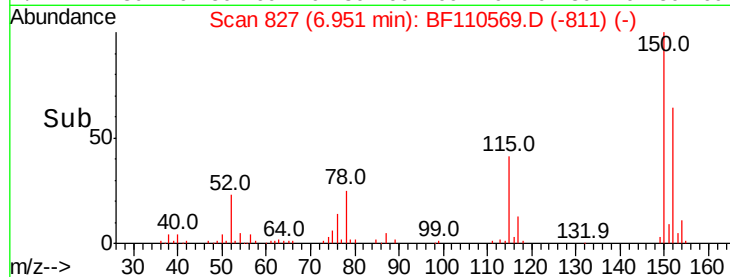
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 827
Delta R.T. -0.01 min
Lab File: BF110569.D
Acq: 7 Nov 2018 21:28

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 64209
Ion Ratio Lower Upper
152 100
150 157.2 122.7 184.1
115 64.0 49.1 73.7



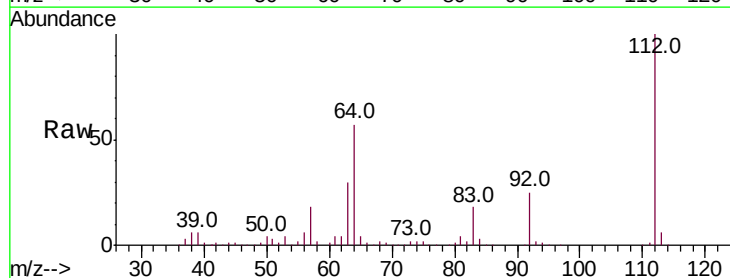
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



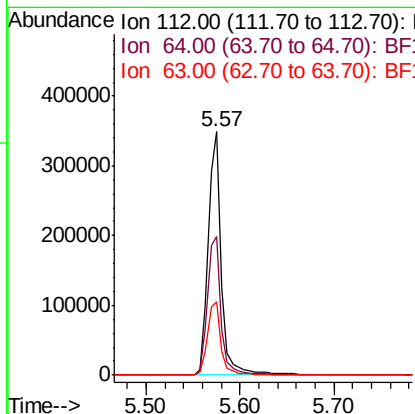
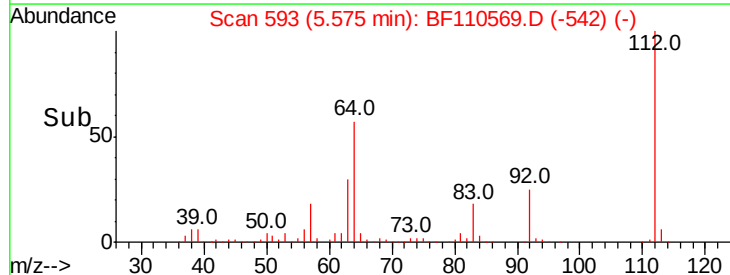
#5

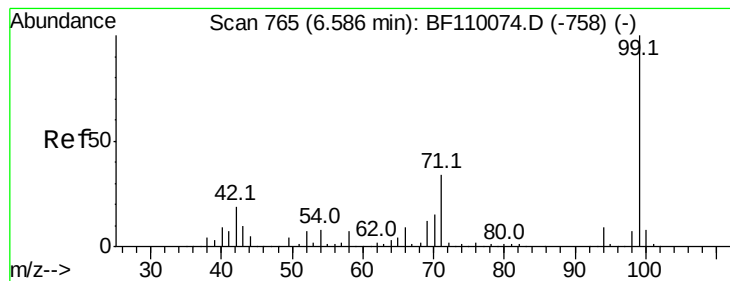
2-Fluorophenol
Concen: 87.508 ng
RT: 5.57 min Scan# 593
Delta R.T. 0.00 min
Lab File: BF110569.D
Acq: 7 Nov 2018 21:28

Tgt Ion:112 Resp: 345038
Ion Ratio Lower Upper
112 100
64 56.9 44.1 66.1
63 30.4 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: 81.438 ng

RT: 6.57 min Scan# 763

Delta R.T. -0.01 min

Lab File: BF110569.D

Acq: 7 Nov 2018 21:28

Instrument :

BNA_F

ClientSampled :

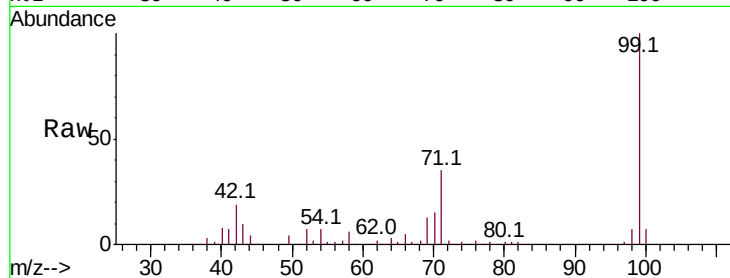
Tot Ion: 99 Resp: 410717

Ion Ratio Lower Upper

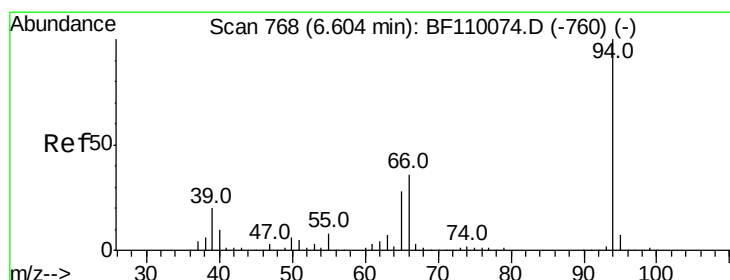
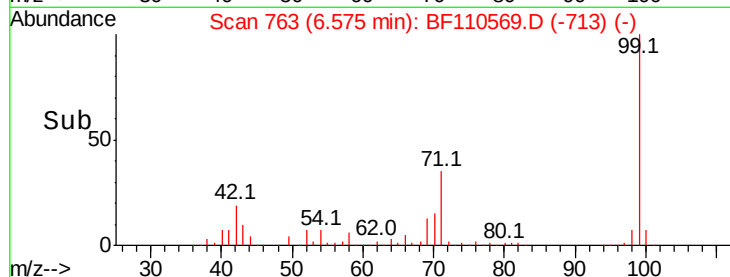
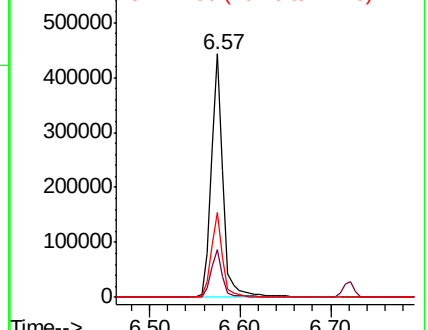
99 100

42 19.4 15.8 23.6

71 35.0 28.0 42.0



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 4.610 ng

RT: 6.59 min Scan# 765

Delta R.T. -0.01 min

Lab File: BF110569.D

Acq: 7 Nov 2018 21:28

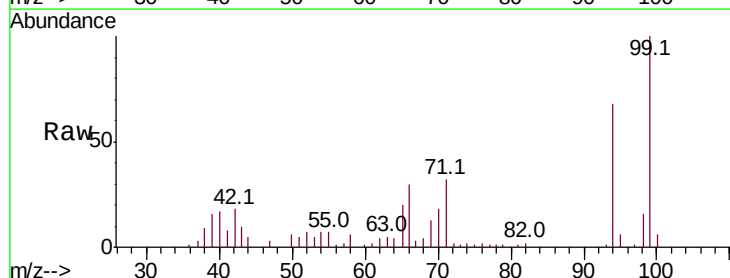
Tgt Ion: 94 Resp: 24851

Ion Ratio Lower Upper

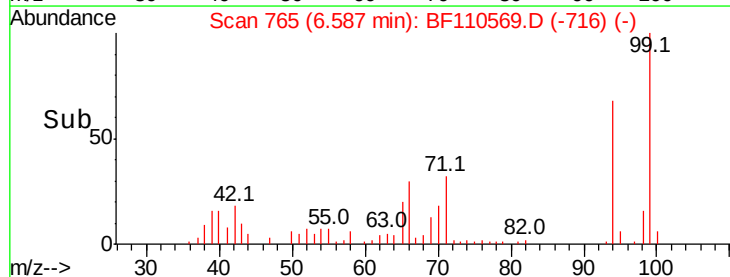
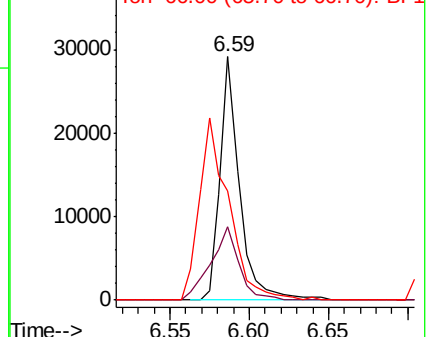
94 100

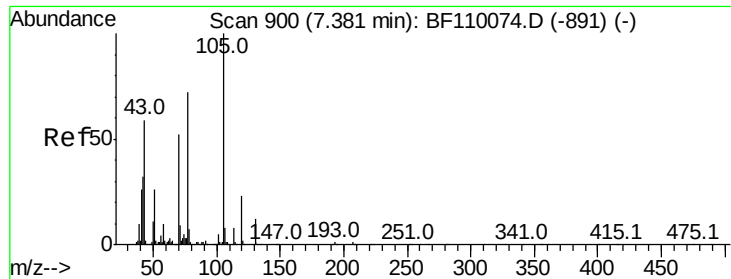
65 30.1 25.3 65.3

66 44.7 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

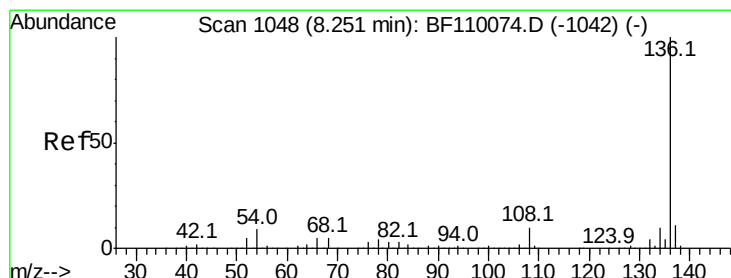
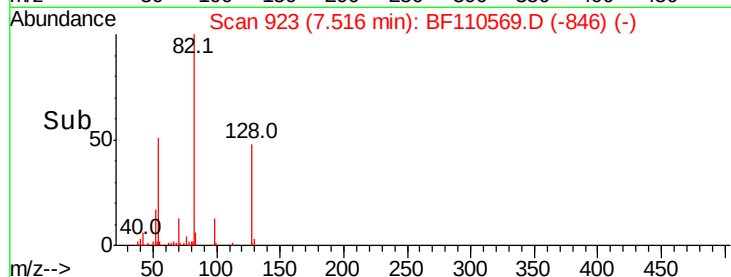
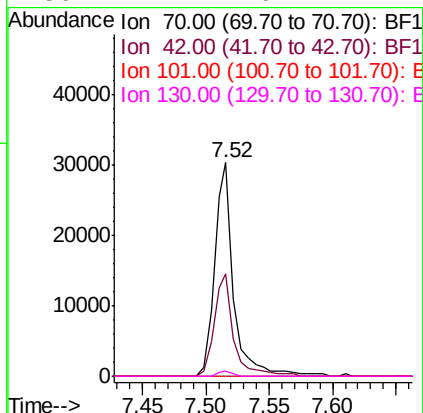
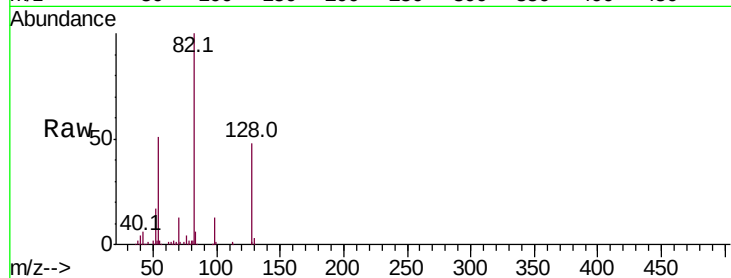




#19
n-Nitroso-di-n-propylamine
Concen: 9.930 ng
RT: 7.52 min Scan# 923
Delta R.T. 0.15 min
Lab File: BF110569.D
Acq: 7 Nov 2018 21:28

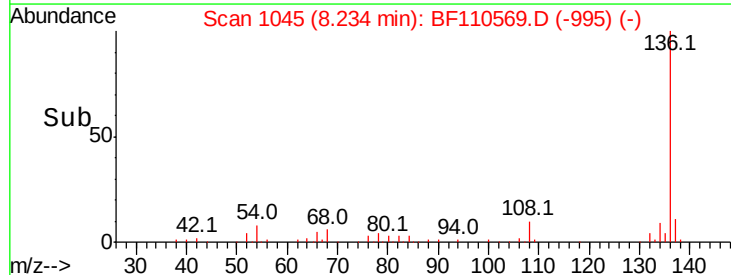
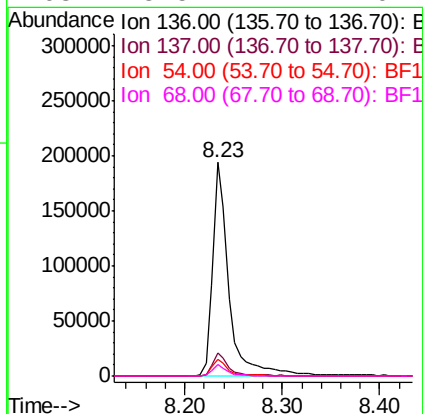
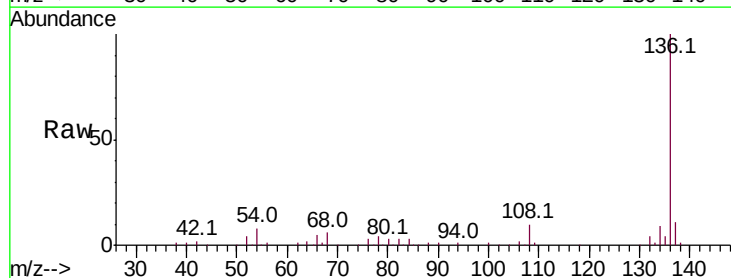
Instrument :
BNA_F
ClientSampled :

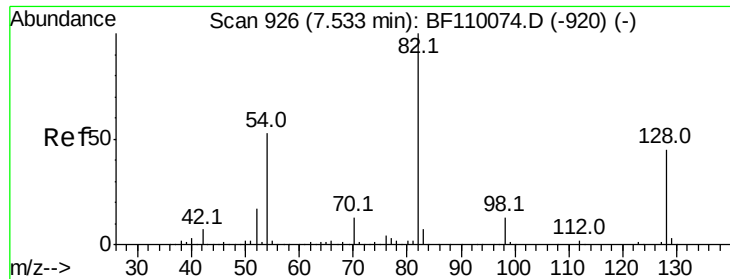
Tot Ion: 70 Resp: 32128
Ion Ratio Lower Upper
70 100
42 48.2 47.4 71.2
101 0.0 7.3 10.9#
130 2.4 16.2 24.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.23 min Scan# 1045
Delta R.T. -0.01 min
Lab File: BF110569.D
Acq: 7 Nov 2018 21:28

Tgt Ion: 136 Resp: 224808
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 7.9 5.4 8.2
68 5.5 4.2 6.2

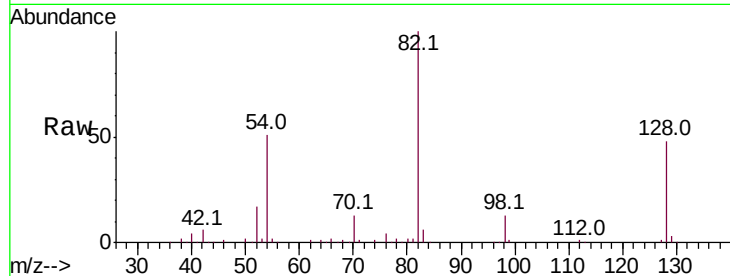




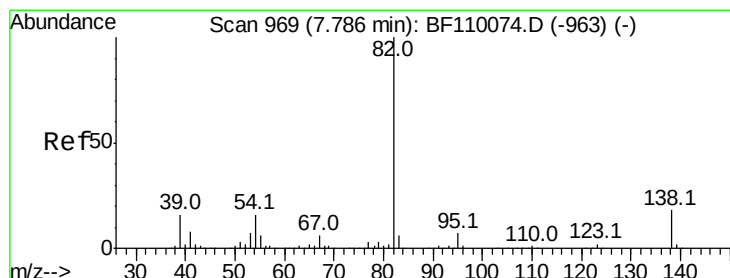
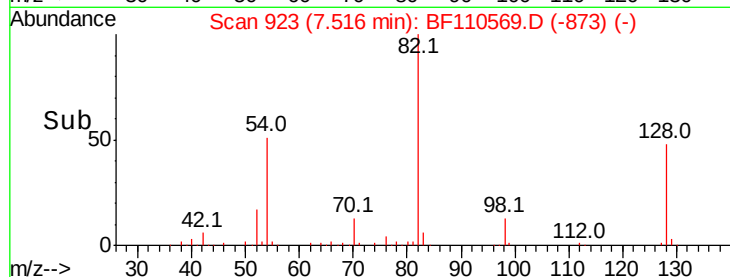
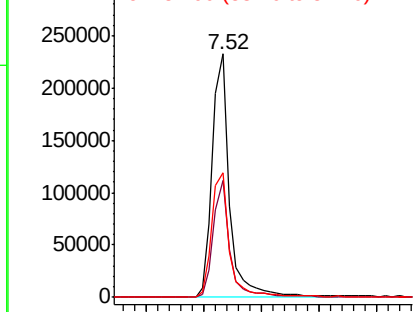
#23
 Nitrobenzene-d5
 Concen: 64.706 ng
 RT: 7.52 min Scan# 923
 Delta R.T. -0.01 min
 Lab File: BF110569.D
 Acq: 7 Nov 2018 21:28

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	82	Resp	245249
Ion Ratio	Lower	Upper	
82	100		
128	47.9	34.2	51.2
54	51.3	38.6	58.0

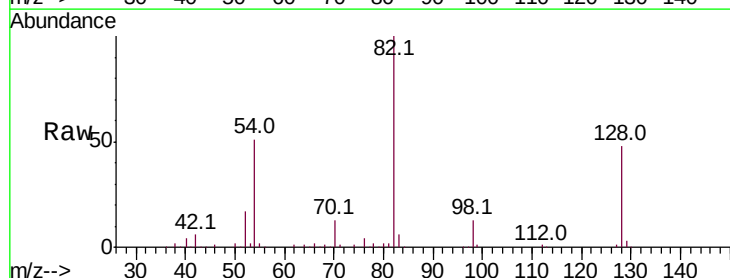


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

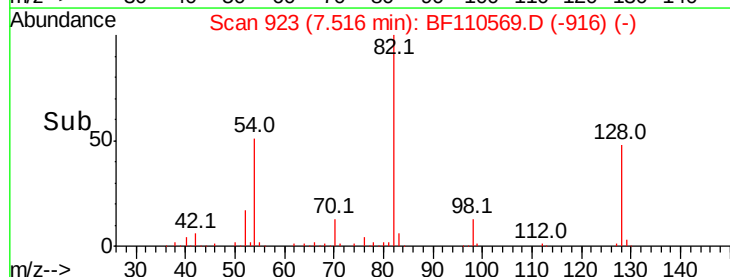
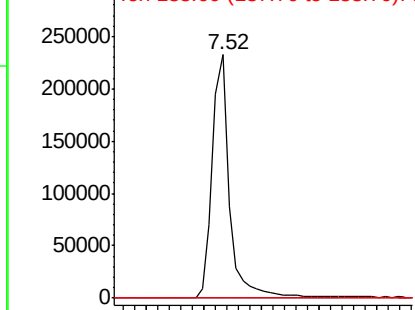


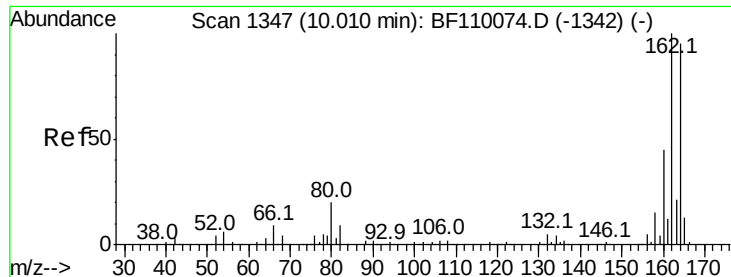
#25
 Isophorone
 Concen: 37.960 ng
 RT: 7.52 min Scan# 923
 Delta R.T. -0.26 min
 Lab File: BF110569.D
 Acq: 7 Nov 2018 21:28

Tgt Ion	82	Resp	245249
Ion Ratio	Lower	Upper	
82	100		
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

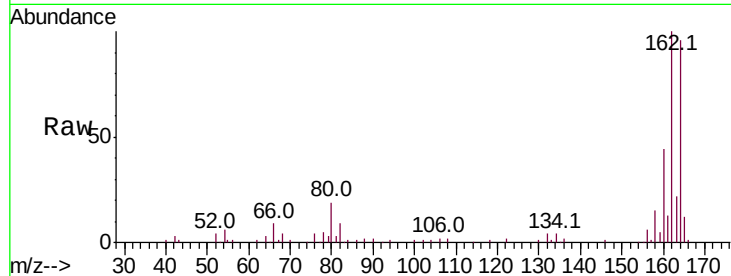




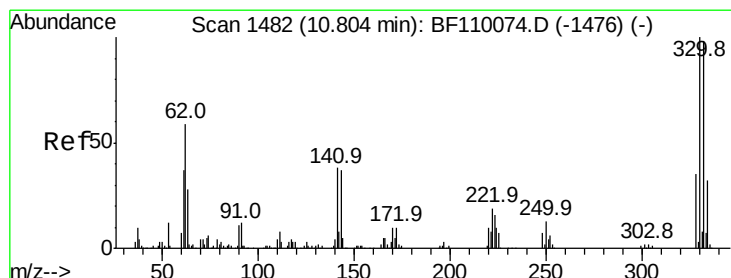
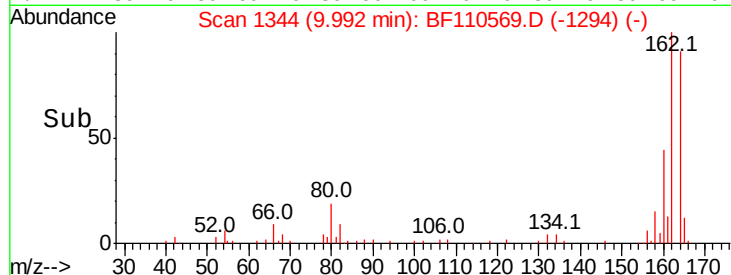
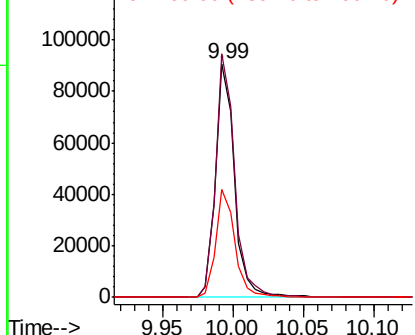
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.99 min Scan# 1344
Delta R.T. -0.01 min
Lab File: BF110569.D
Acq: 7 Nov 2018 21:28

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 85246
Ion Ratio Lower Upper
164 100
162 104.1 83.0 124.6
160 46.2 37.0 55.6

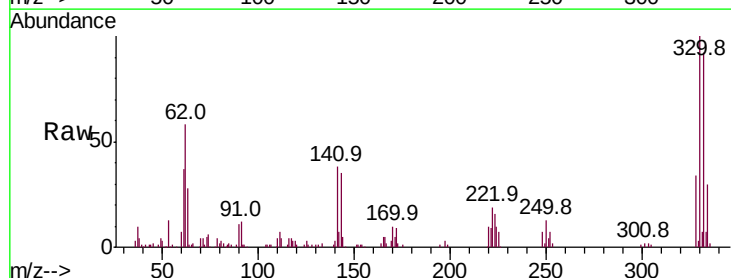


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

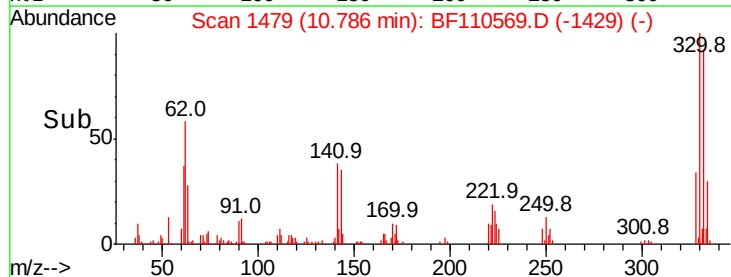
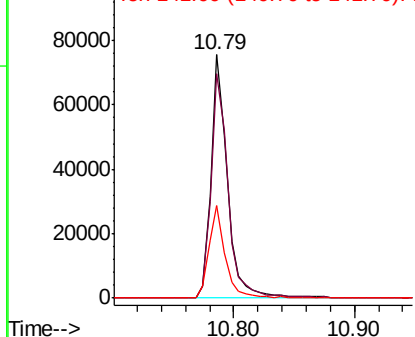


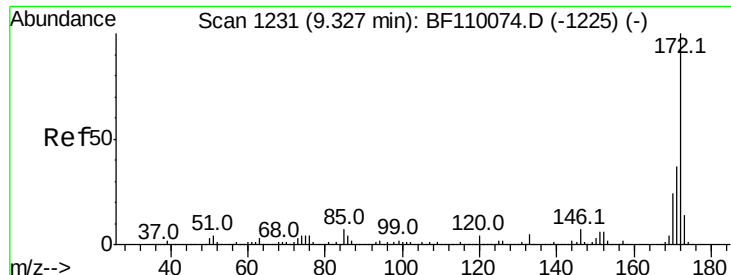
#42
2,4,6-Tribromophenol
Concen: 83.626 ng
RT: 10.79 min Scan# 1479
Delta R.T. -0.01 min
Lab File: BF110569.D
Acq: 7 Nov 2018 21:28

Tgt Ion:330 Resp: 70615
Ion Ratio Lower Upper
330 100
332 96.3 77.1 115.7
141 37.5 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

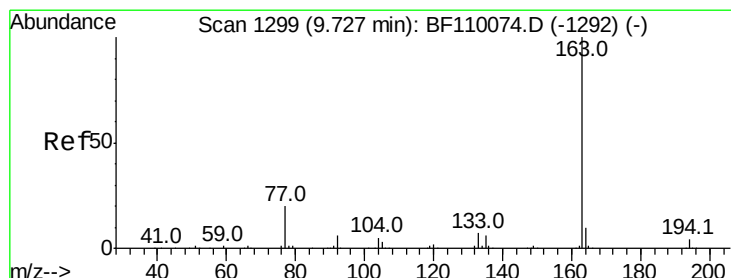
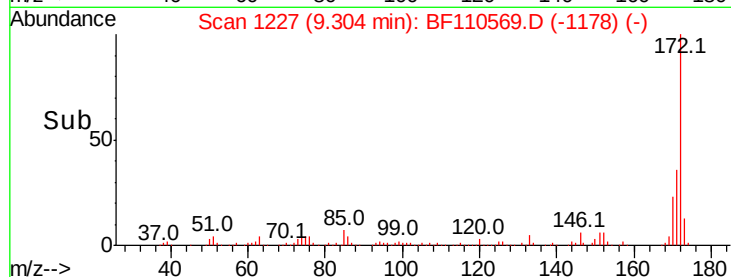
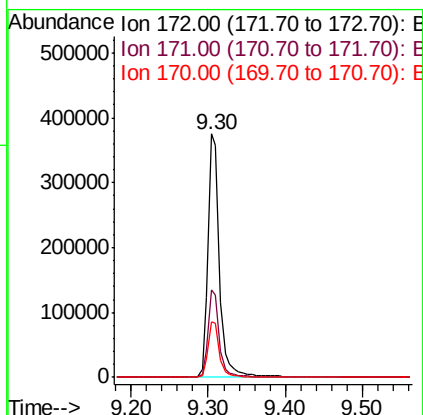
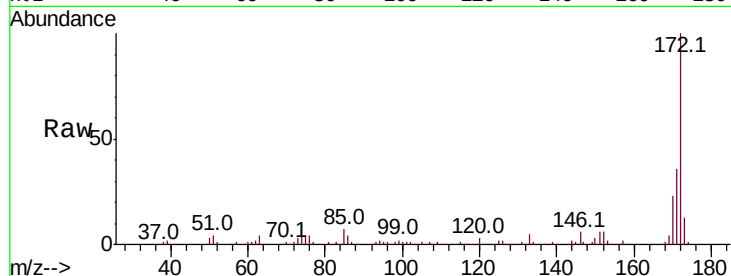




#45
 2-Fluorobiphenyl
 Concen: 71.885 ng
 RT: 9.30 min Scan# 1227
 Delta R.T. -0.01 min
 Lab File: BF110569.D
 Acq: 7 Nov 2018 21:28

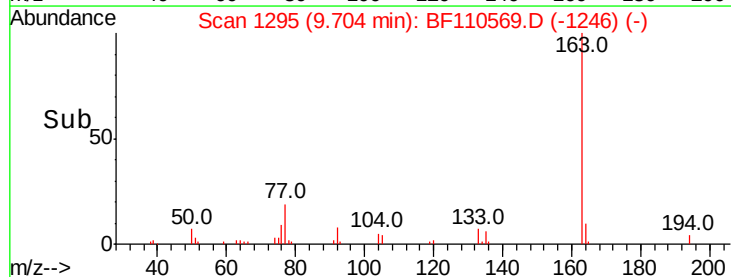
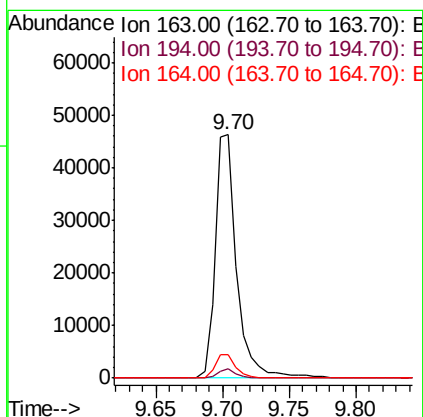
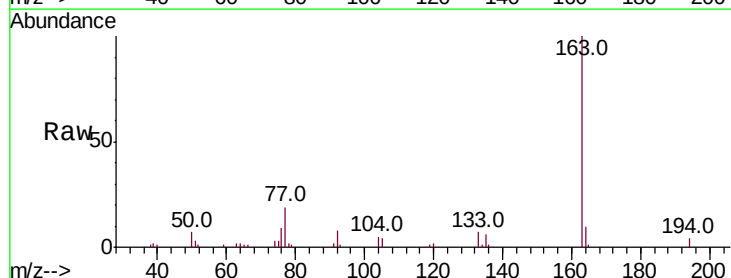
Instrument :
 BNA_F
 ClientSampleId :

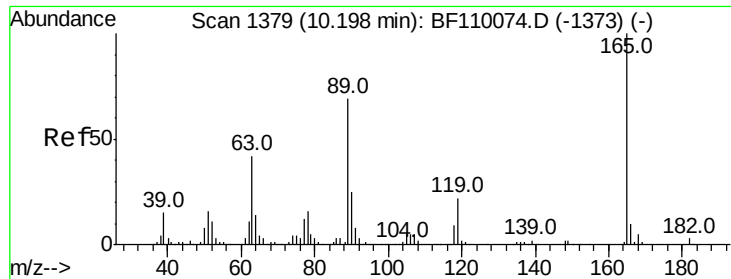
Tot Ion:172 Resp: 390248
 Ion Ratio Lower Upper
 172 100
 171 36.1 28.6 43.0
 170 22.8 19.7 29.5



#50
 Dimethylphthalate
 Concen: 8.295 ng
 RT: 9.70 min Scan# 1295
 Delta R.T. -0.01 min
 Lab File: BF110569.D
 Acq: 7 Nov 2018 21:28

Tgt Ion:163 Resp: 52200
 Ion Ratio Lower Upper
 163 100
 194 4.0 3.2 4.8
 164 9.9 8.1 12.1

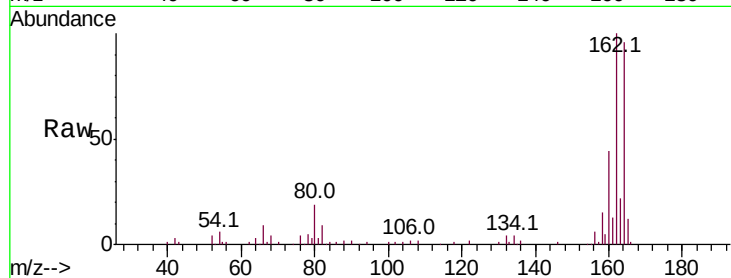




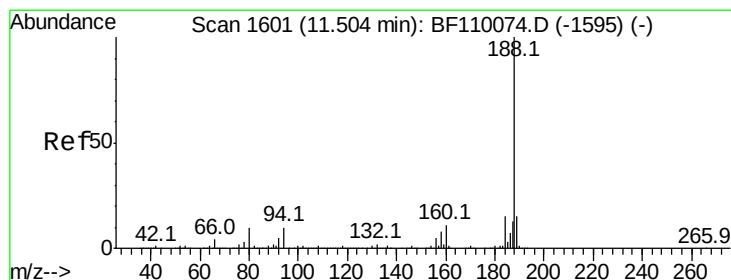
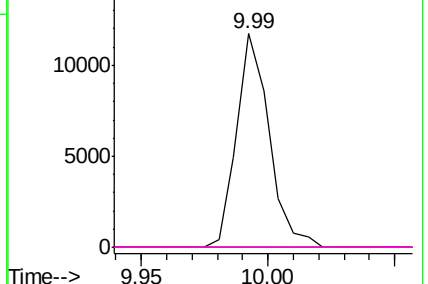
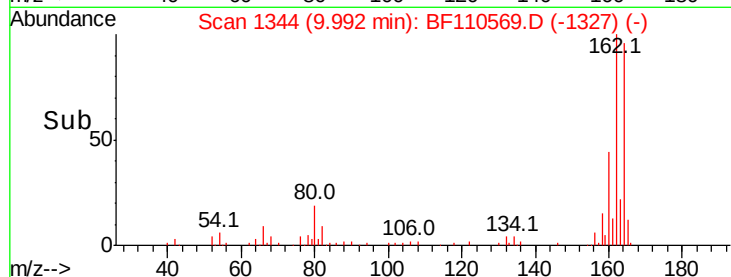
#57
 2,4-Dinitrotoluene
 Concen: 6.112 ng
 RT: 9.99 min Scan# 1344
 Delta R.T. -0.20 min
 Lab File: BF110569.D
 Acq: 7 Nov 2018 21:28

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 10523
 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#

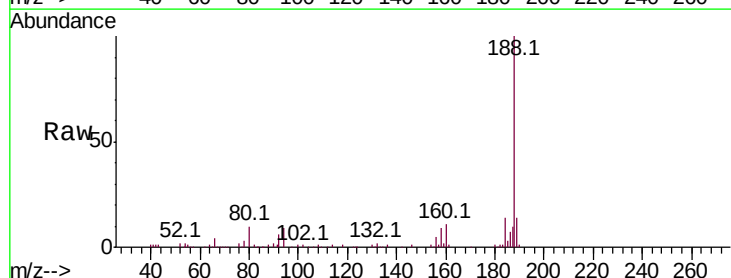


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

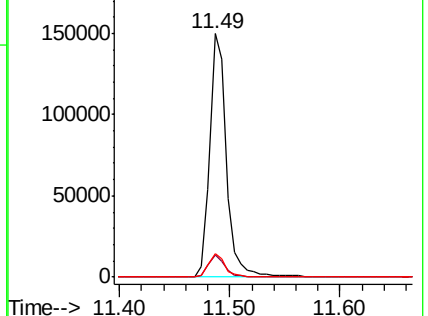
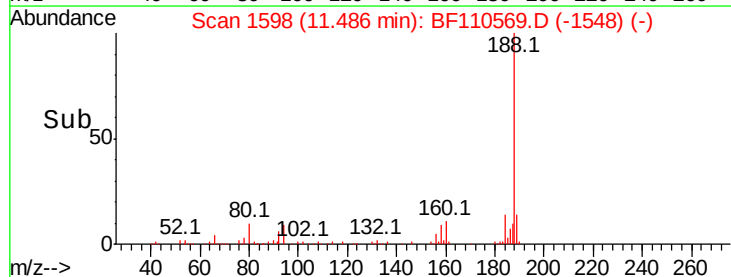


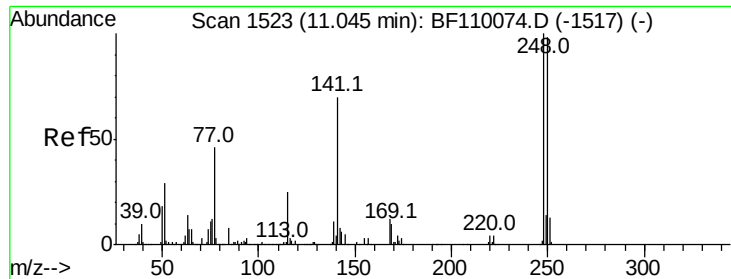
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.49 min Scan# 1598
 Delta R.T. -0.01 min
 Lab File: BF110569.D
 Acq: 7 Nov 2018 21:28

Tgt Ion:188 Resp: 153430
 Ion Ratio Lower Upper
 188 100
 94 9.2 7.2 10.8
 80 9.7 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

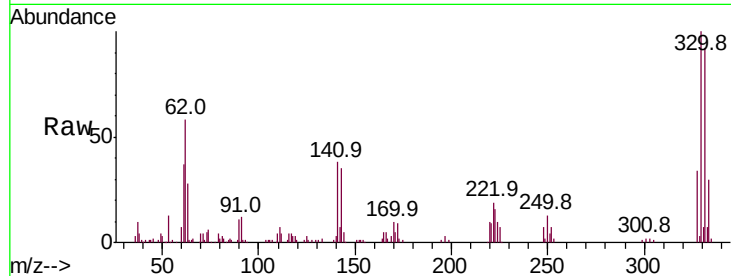




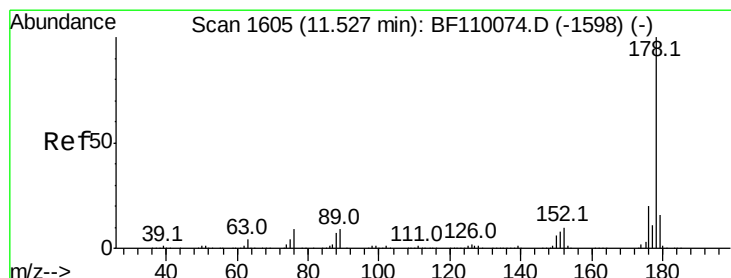
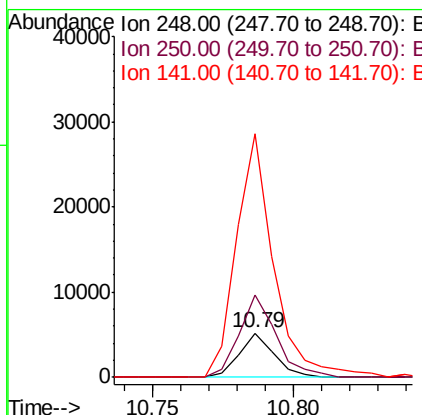
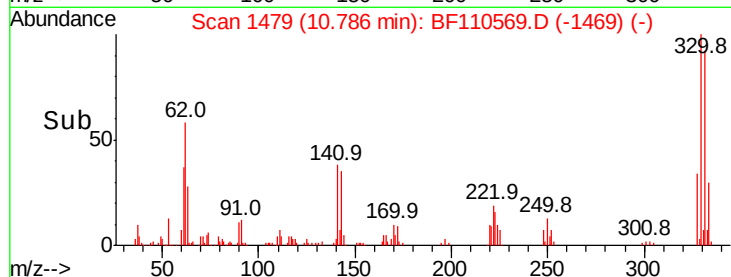
#67
 4-Bromophenyl-phenylether
 Concen: 2.654 ng
 RT: 10.79 min Scan# 1479
 Delta R.T. -0.24 min
 Lab File: BF110569.D
 Acq: 7 Nov 2018 21:28

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 4417
 Ion Ratio Lower Upper
 248 100
 250 185.3 79.4 119.2#
 141 548.7 55.9 83.9#

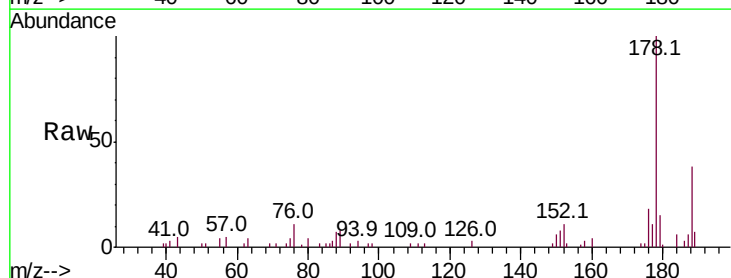


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

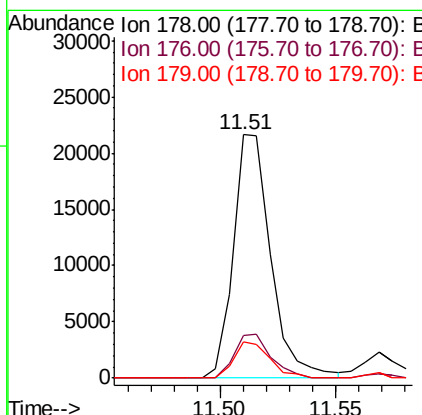
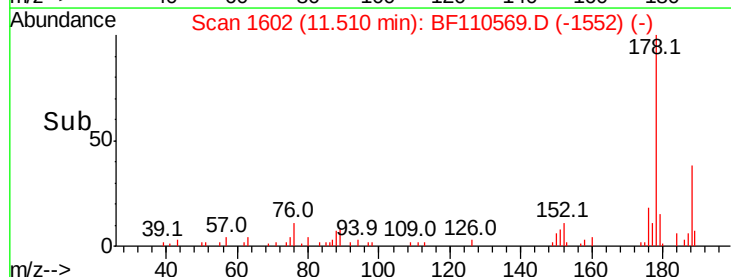


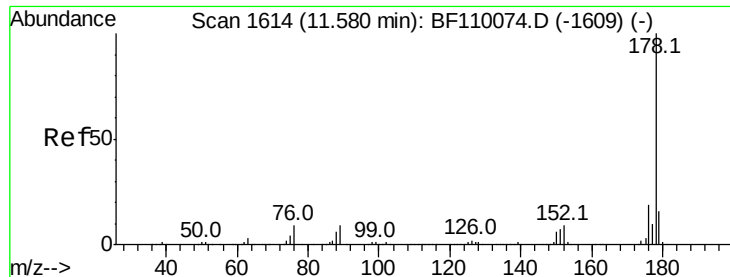
#71
 Phenanthrene
 Concen: 3.053 ng
 RT: 11.51 min Scan# 1602
 Delta R.T. -0.01 min
 Lab File: BF110569.D
 Acq: 7 Nov 2018 21:28

Tgt Ion:178 Resp: 24513
 Ion Ratio Lower Upper
 178 100
 176 17.7 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

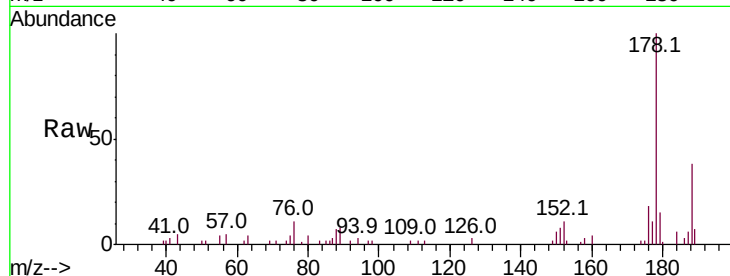




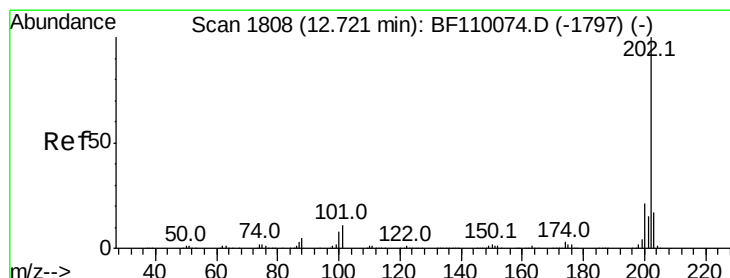
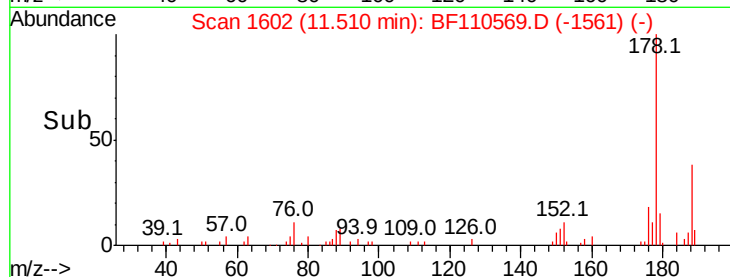
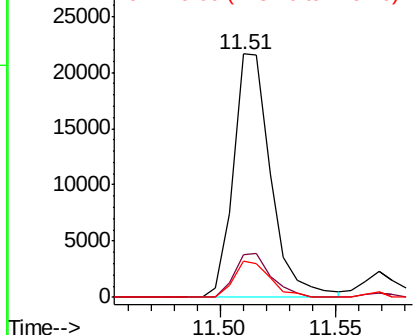
#72
 Anthracene
 Concen: 3.046 ng
 RT: 11.51 min Scan# 1602
 Delta R.T. -0.06 min
 Lab File: BF110569.D
 Acq: 7 Nov 2018 21:28

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:178 Resp: 24513
 Ion Ratio Lower Upper
 178 100
 176 17.7 15.4 23.2
 179 15.1 12.6 18.8

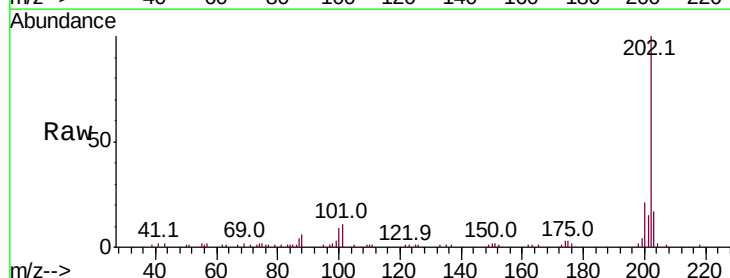


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

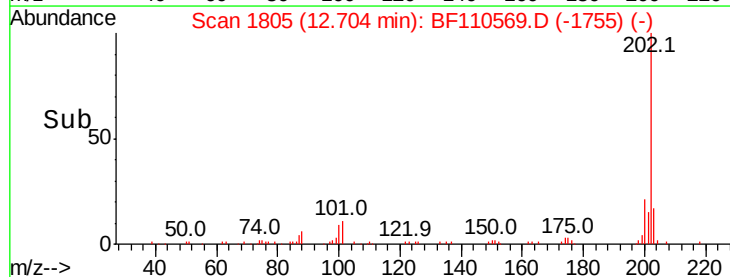
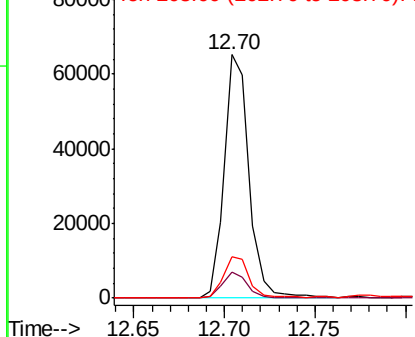


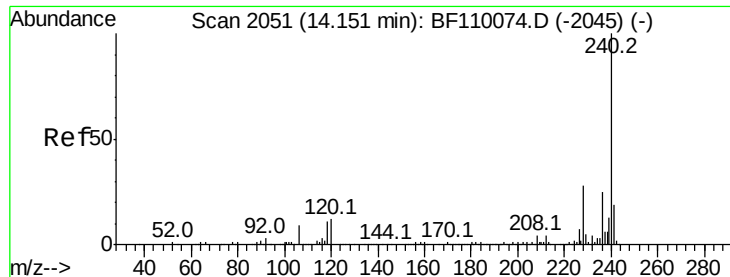
#75
 Fluoranthene
 Concen: 7.628 ng
 RT: 12.70 min Scan# 1805
 Delta R.T. -0.01 min
 Lab File: BF110569.D
 Acq: 7 Nov 2018 21:28

Tgt Ion:202 Resp: 62154
 Ion Ratio Lower Upper
 202 100
 101 10.7 0.0 31.4
 203 16.8 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: 14.14 min Scan# 2049

Delta R.T. 0.00 min

Lab File: BF110569.D

Acq: 7 Nov 2018 21:28

Instrument :

BNA_F

ClientSampleId :

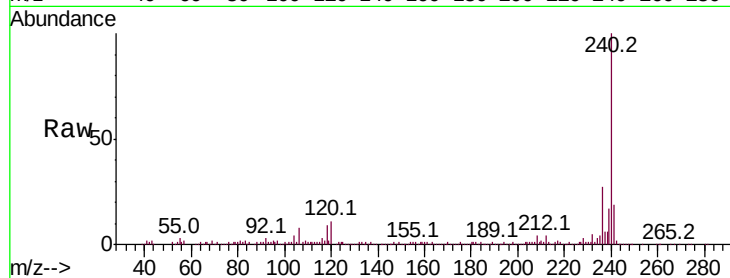
Tot Ion:240 Resp: 156994

Ion Ratio Lower Upper

240 100

120 10.6 8.3 12.5

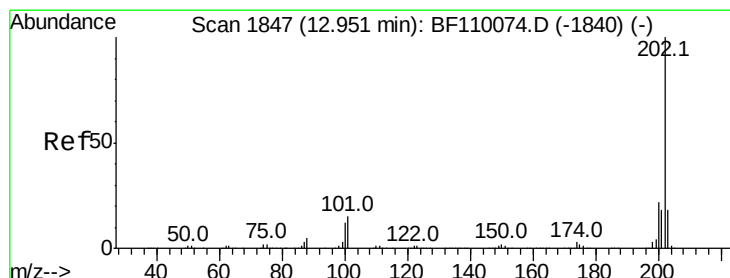
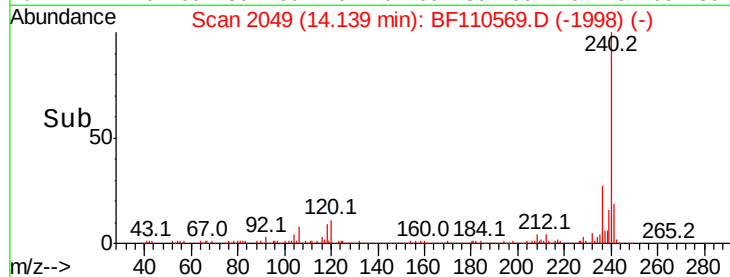
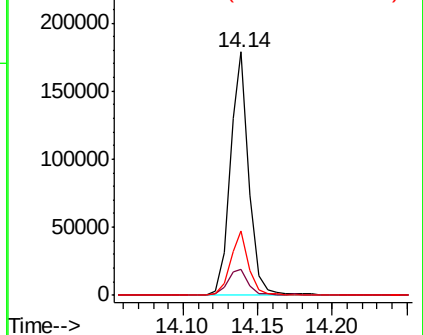
236 26.5 21.2 31.8



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: 4.544 ng

RT: 12.94 min Scan# 1845

Delta R.T. 0.00 min

Lab File: BF110569.D

Acq: 7 Nov 2018 21:28

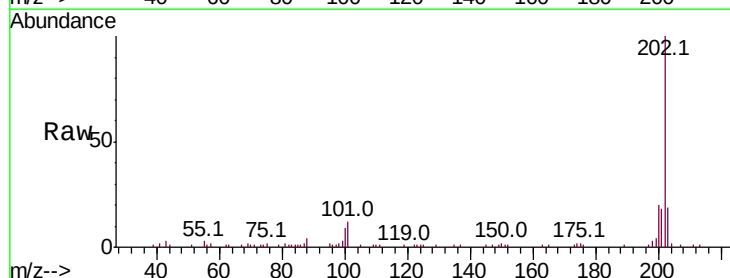
Tgt Ion:202 Resp: 51142

Ion Ratio Lower Upper

202 100

200 20.3 17.8 26.6

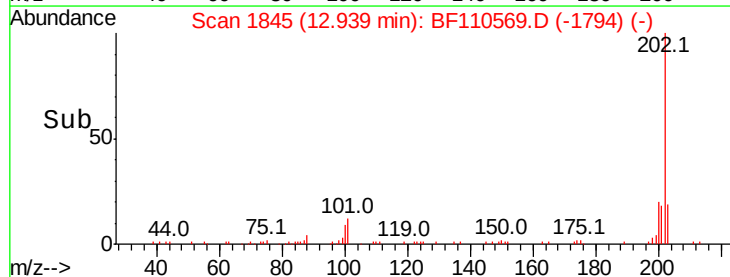
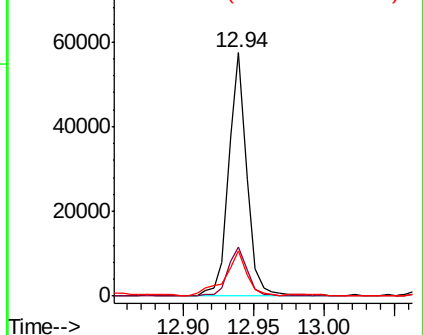
203 18.6 14.2 21.4

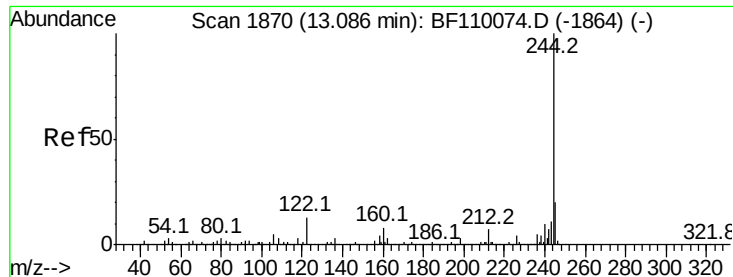


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 48.064 ng

RT: 13.07 min Scan# 1867

Delta R.T. -0.01 min

Lab File: BF110569.D

Acq: 7 Nov 2018 21:28

Instrument :

BNA_F

ClientSampleId :

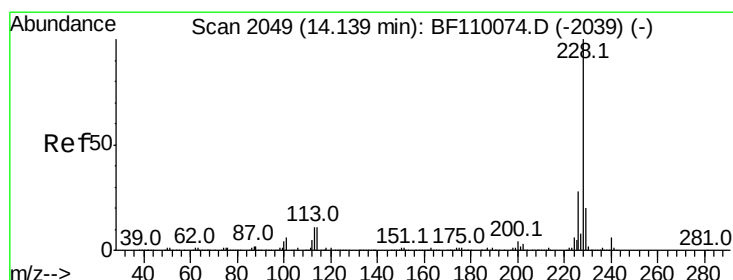
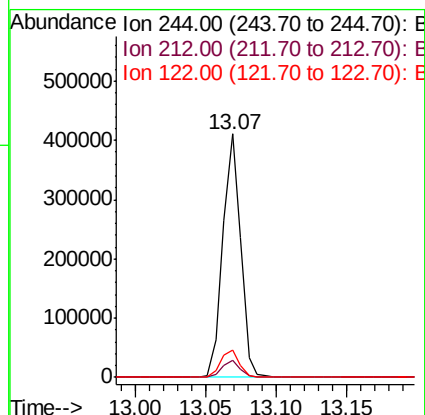
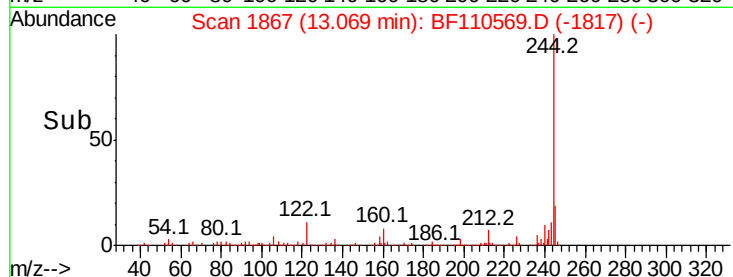
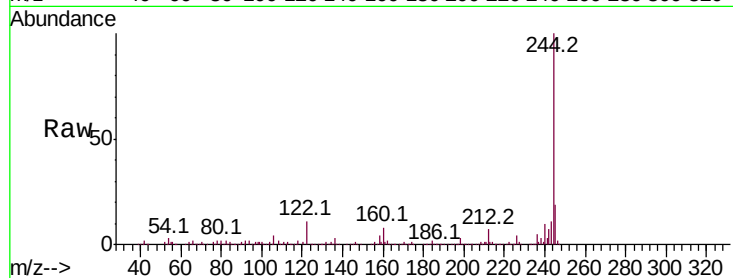
Tot Ion:244 Resp: 362830

Ion Ratio Lower Upper

244 100

212 6.8 5.8 8.8

122 11.5 8.7 13.1



#81

Benzo(a)anthracene

Concen: 2.404 ng

RT: 14.13 min Scan# 2047

Delta R.T. 0.00 min

Lab File: BF110569.D

Acq: 7 Nov 2018 21:28

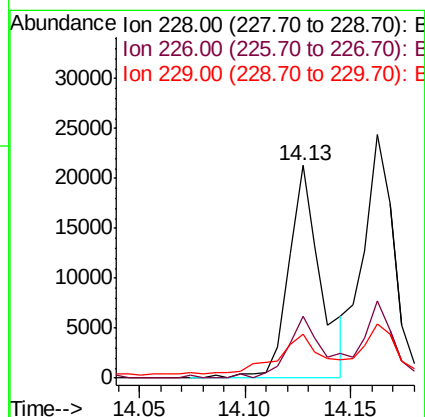
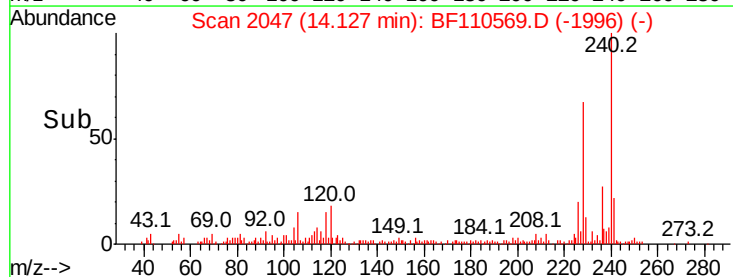
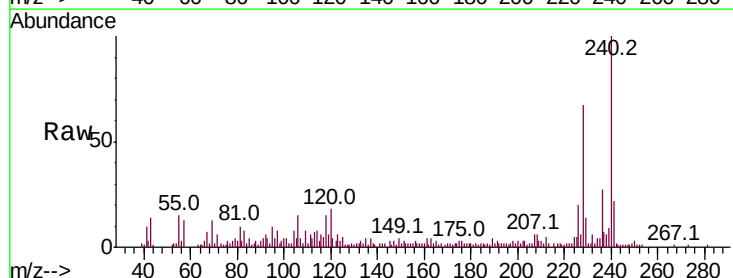
Tgt Ion:228 Resp: 22379

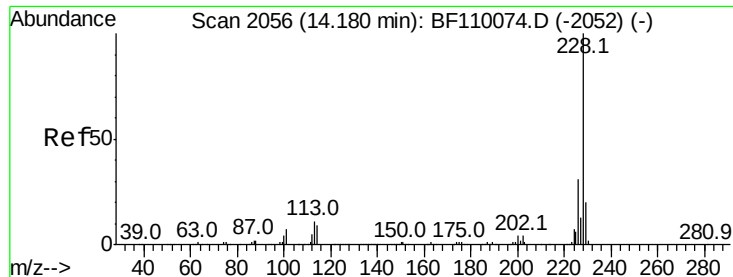
Ion Ratio Lower Upper

228 100

226 29.1 22.1 33.1

229 21.0 15.6 23.4

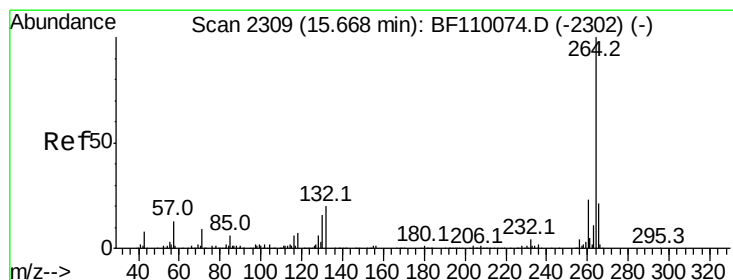
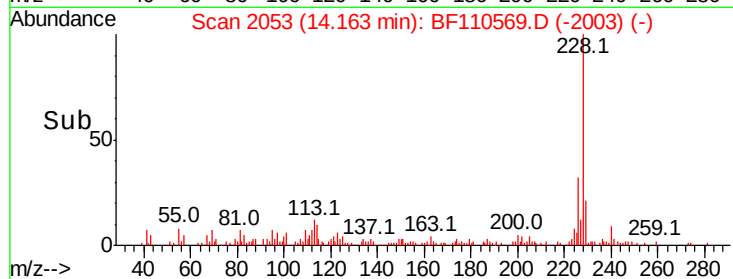
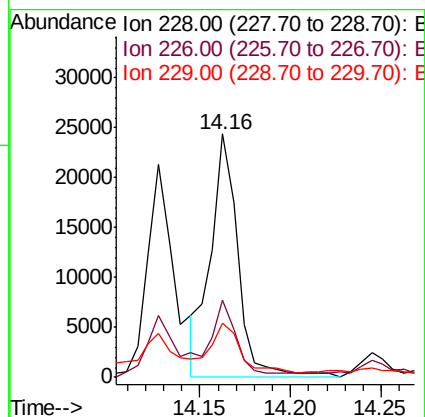
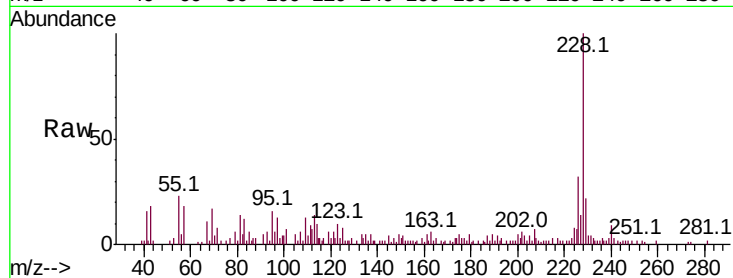




#83
Chrysene
Concen: 2.906 ng
RT: 14.16 min Scan# 2053
Delta R.T. -0.01 min
Lab File: BF110569.D
Acq: 7 Nov 2018 21:28

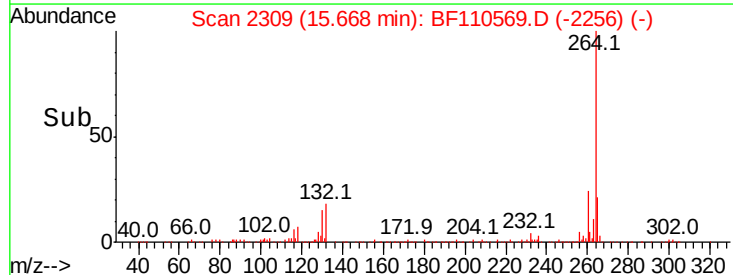
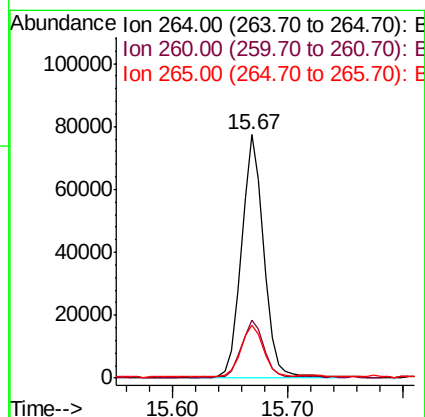
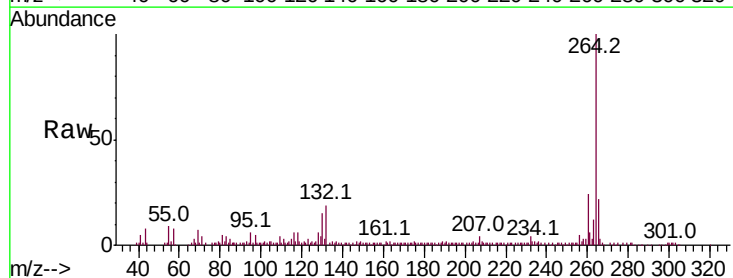
Instrument :
BNA_F
ClientSampleId :

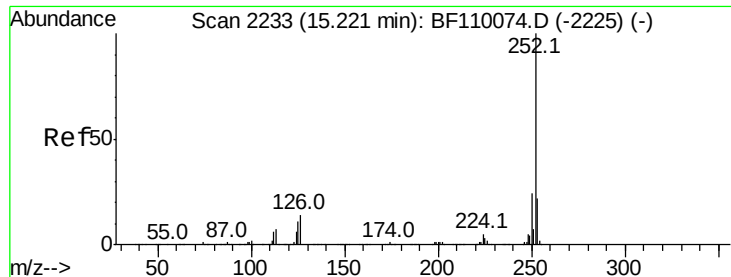
Tot Ion	Ratio	Lower	Upper
228	100		
226	31.5	24.7	37.1
229	22.2	15.9	23.9



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.67 min Scan# 2309
Delta R.T. 0.01 min
Lab File: BF110569.D
Acq: 7 Nov 2018 21:28

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.7	28.1
265	21.5	16.7	25.1

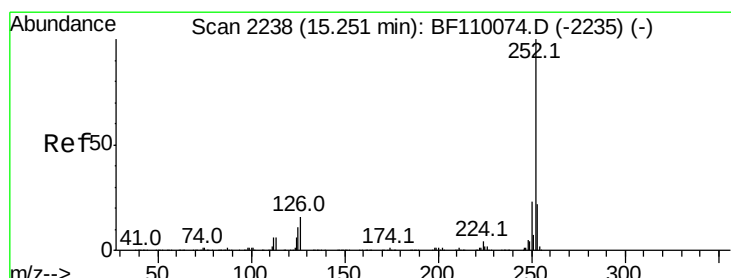
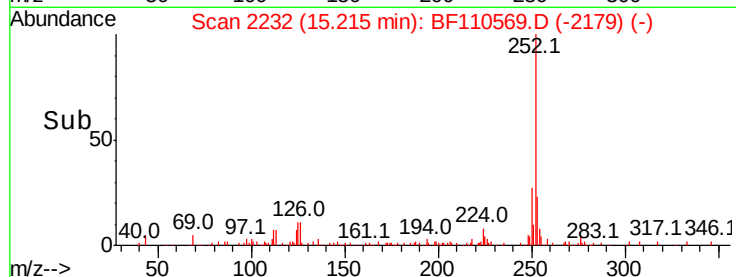
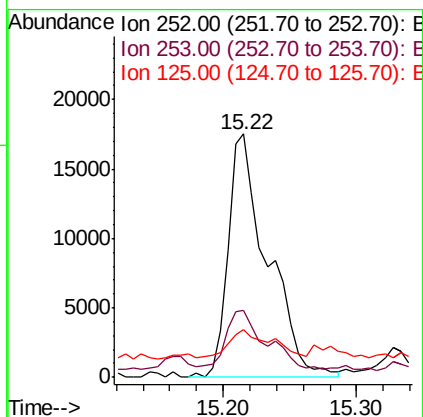
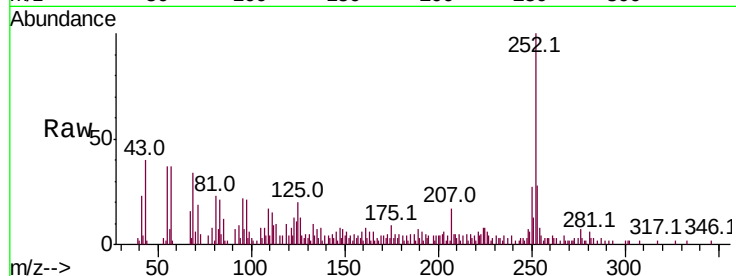




#88
Benzo(b)fluoranthene
Concen: 6.010 ng
RT: 15.22 min Scan# 2232
Delta R.T. 0.01 min
Lab File: BF110569.D
Acq: 7 Nov 2018 21:28

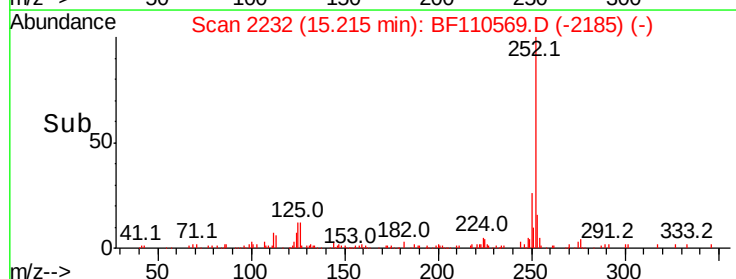
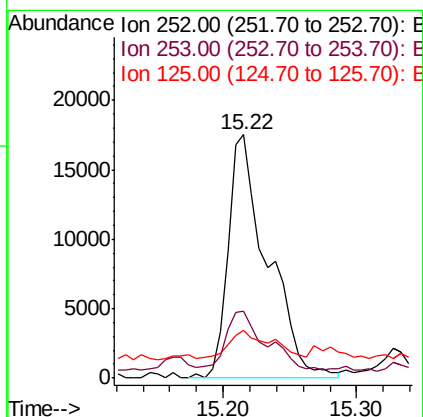
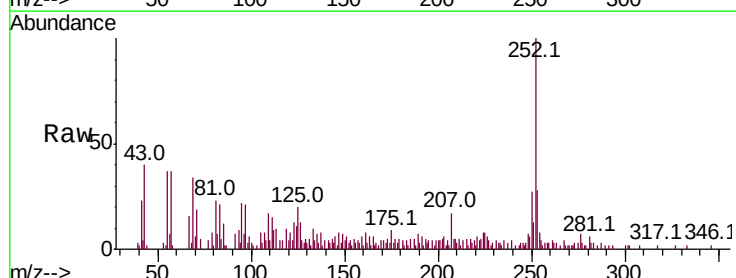
Instrument :
BNA_F
ClientSampleId :

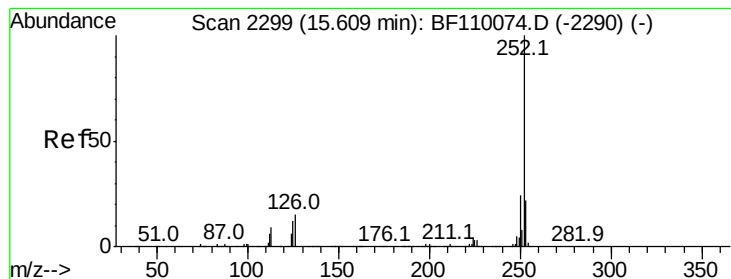
Tot Ion	Ratio	Lower	Upper
252	100		
253	27.8	17.2	25.8#
125	19.8	8.2	12.4#



#89
Benzo(k)fluoranthene
Concen: 6.114 ng
RT: 15.22 min Scan# 2232
Delta R.T. -0.02 min
Lab File: BF110569.D
Acq: 7 Nov 2018 21:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.8	17.2	25.8#
125	19.8	7.4	11.0#

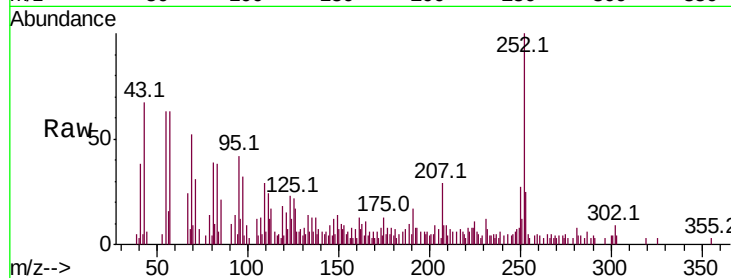




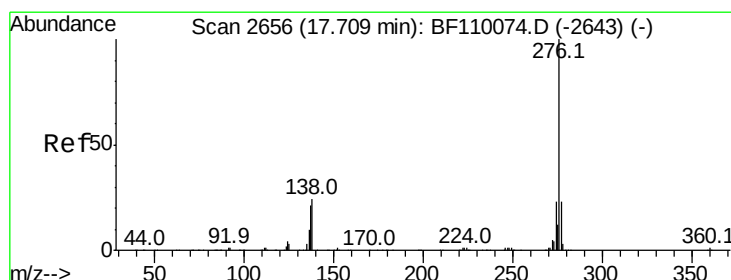
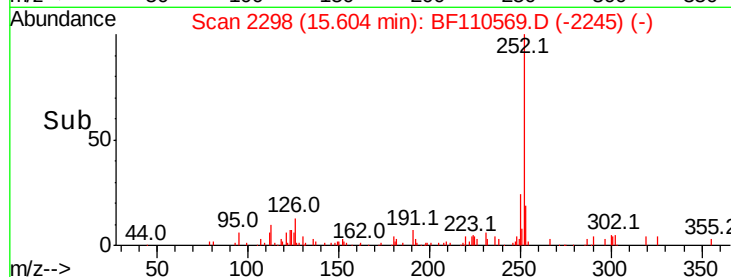
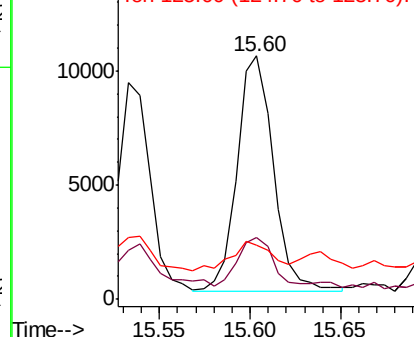
#90
Benzo(a)pyrene
Concen: 2.607 ng
RT: 15.60 min Scan# 2298
Delta R.T. 0.01 min
Lab File: BF110569.D
Acq: 7 Nov 2018 21:28

Instrument :
BNA_F
ClientSampled :

Tot Ion:252 Resp: 14383
Ion Ratio Lower Upper
252 100
253 25.3 18.2 27.4
125 22.3 9.0 13.6#

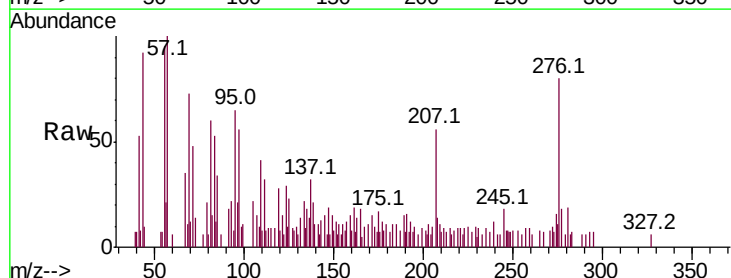


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 2.224 ng
RT: 17.73 min Scan# 2659
Delta R.T. 0.02 min
Lab File: BF110569.D
Acq: 7 Nov 2018 21:28

Tgt Ion:276 Resp: 10433
Ion Ratio Lower Upper
276 100
277 22.3 18.8 28.2
138 26.0 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

