

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102418\
 Data File : BF110121.D
 Acq On : 24 Oct 2018 18:05
 Operator : JU/SJ
 Sample : J5198-21 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 25 02:13:27 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 23 15:06:18 2018
 Response via : Initial Calibration

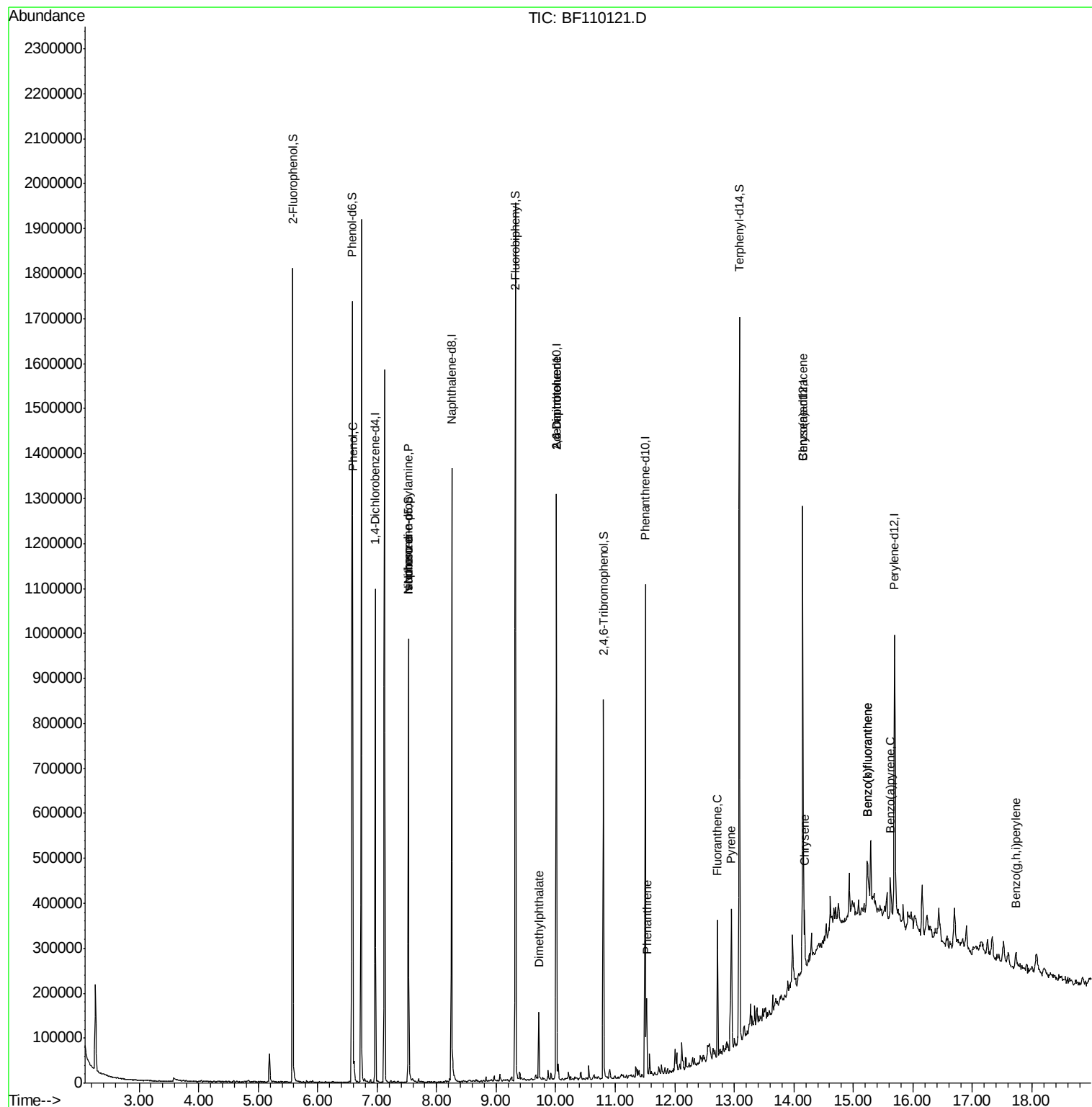
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	155586	20.00	ng	-0.01
21) Naphthalene-d8	8.25	136	587025	20.00	ng	-0.02
39) Acenaphthene-d10	10.01	164	232633	20.00	ng	-0.02
64) Phenanthrene-d10	11.50	188	399137	20.00	ng	-0.01
76) Chrysene-d12	14.15	240	346394	20.00	ng	-0.01
87) Perylene-d12	15.69	264	253012	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	463120	48.47	ng	-0.02
7) Phenol-d6	6.58	99	559671	45.80	ng	-0.02
23) Nitrobenzene-d5	7.53	82	309687	31.29	ng	-0.02
42) 2,4,6-Tribromophenol	10.80	330	88801	38.54	ng	-0.02
45) 2-Fluorobiphenyl	9.32	172	533786	36.03	ng	-0.02
79) Terphenyl-d14	13.09	244	486732	29.22	ng	-0.02
Target Compounds						
10) Phenol	6.59	94	29009	2.221	ng	# 67
19) n-Nitroso-di-n-propylamine	7.53	70	39530	5.042	ng	# 77
25) Isophorone	7.53	82	309683	18.356	ng	# 67
50) Dimethylphthalate	9.72	163	56524	3.292	ng	99
51) 2,6-Dinitrotoluene	10.01	165	29608	8.004	ng	# 23
57) 2,4-Dinitrotoluene	10.01	165	29608	6.302	ng	# 19
71) Phenanthrene	11.53	178	63468	3.039	ng	98
75) Fluoranthene	12.72	202	115199	5.435	ng	99
78) Pyrene	12.95	202	119147	4.798	ng	97
81) Benzo(a)anthracene	14.14	228	55453	2.700	ng	92
83) Chrysene	14.18	228	54401	2.788	ng	97
88) Benzo(b)fluoranthene	15.24	252	77253	5.287	ng	# 86
89) Benzo(k)fluoranthene	15.24	252	77253	5.378	ng	# 85
90) Benzo(a)pyrene	15.62	252	41381	3.078	ng	# 85
92) Benzo(a,h,i)perylene	17.73	276	23102	2.021	ng	# 85

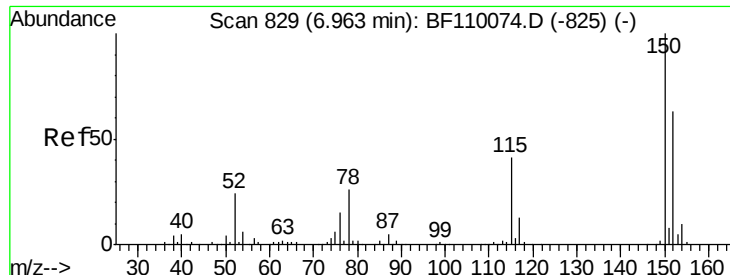
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102418\
Data File : BF110121.D
Acq On : 24 Oct 2018 18:05
Operator : JU/SJ
Sample : J5198-21 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Oct 25 02:13:27 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 23 15:06:18 2018
Response via : Initial Calibration



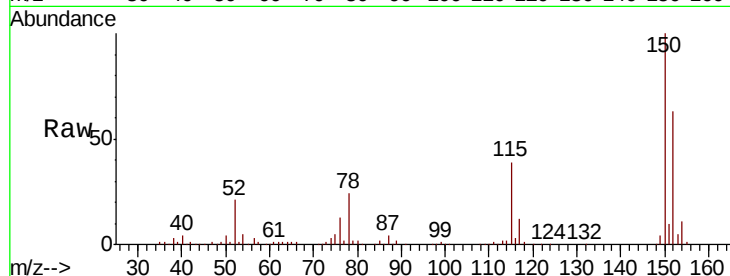


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.01 min
Lab File: BF110121.D
Acq: 24 Oct 2018 18:05

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.5	122.7	184.1
115	61.3	49.1	73.7

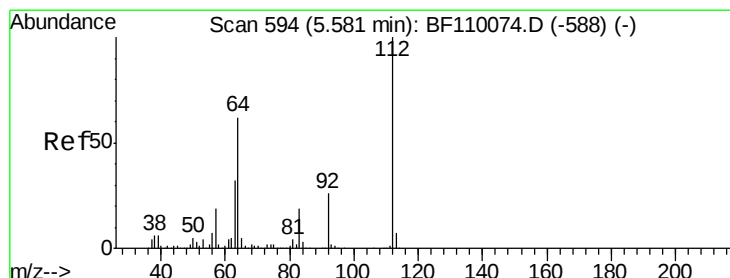
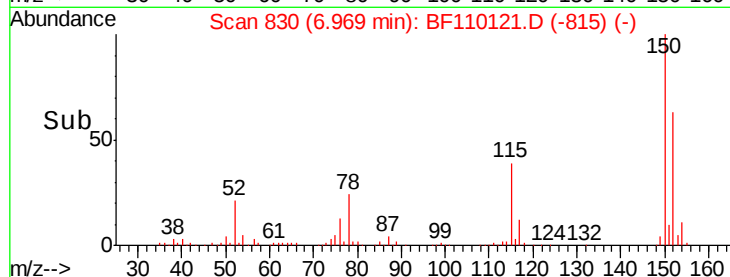
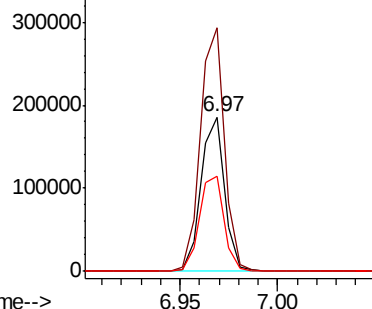


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

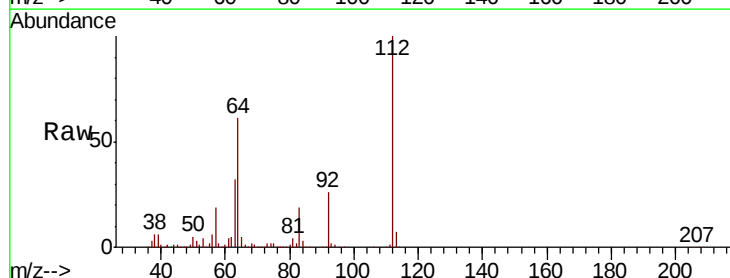
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 48.473 ng
RT: 5.58 min Scan# 594
Delta R.T. -0.02 min
Lab File: BF110121.D
Acq: 24 Oct 2018 18:05

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.4	44.1	66.1
63	31.8	23.7	35.5

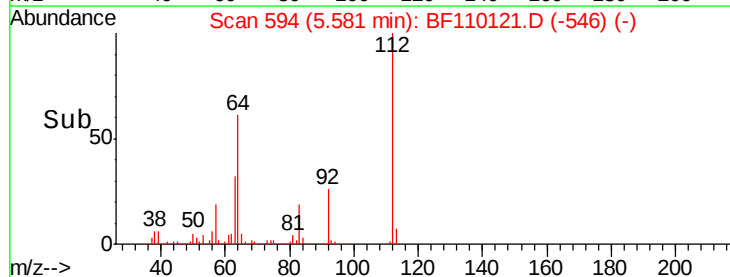
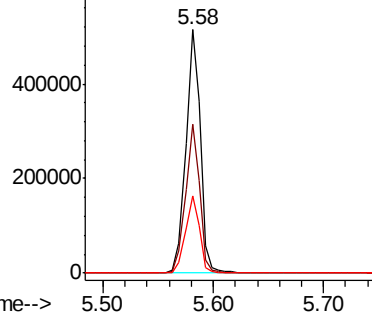


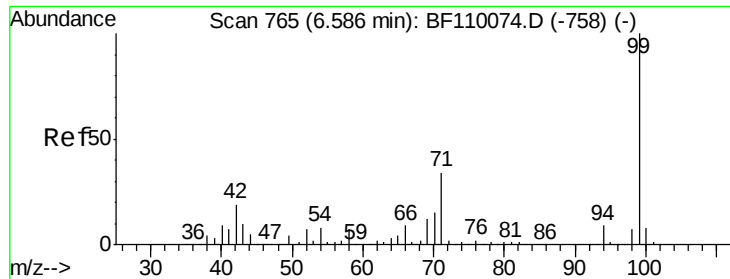
Abundance

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: 45.797 ng

RT: 6.58 min Scan# 764

Delta R.T. -0.02 min

Lab File: BF110121.D

Acq: 24 Oct 2018 18:05

Instrument :

BNA_F

ClientSampleId :

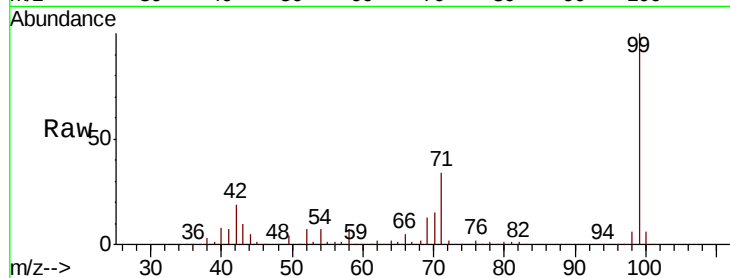
Tot Ion: 99 Resp: 559671

Ion Ratio Lower Upper

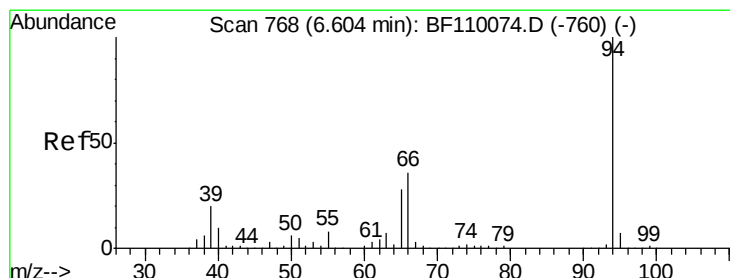
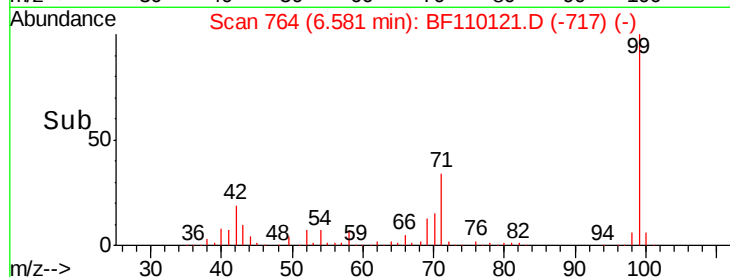
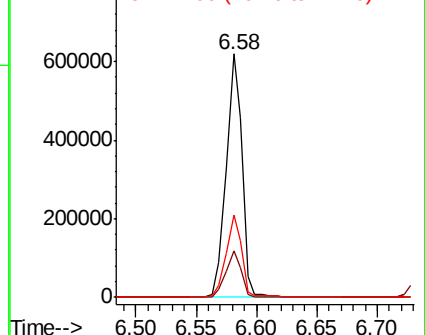
99 100

42 19.2 15.8 23.6

71 33.9 28.0 42.0



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



#10

Phenol

Concen: 2.221 ng

RT: 6.59 min Scan# 766

Delta R.T. -0.02 min

Lab File: BF110121.D

Acq: 24 Oct 2018 18:05

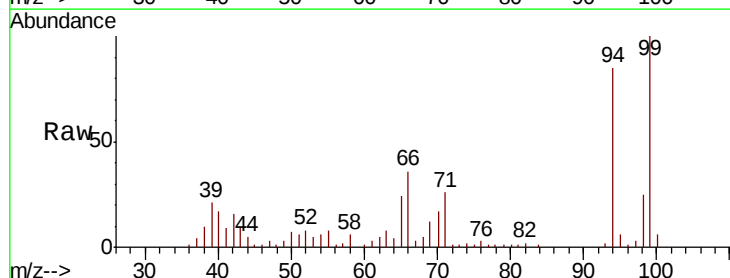
Tgt Ion: 94 Resp: 29009

Ion Ratio Lower Upper

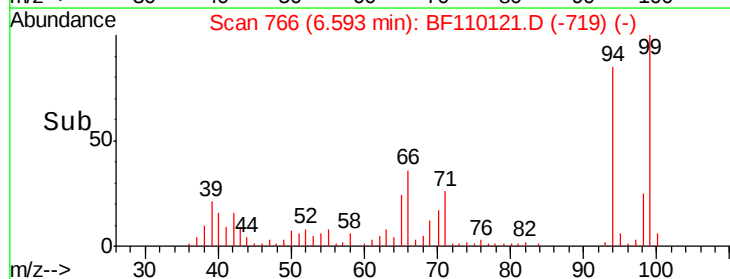
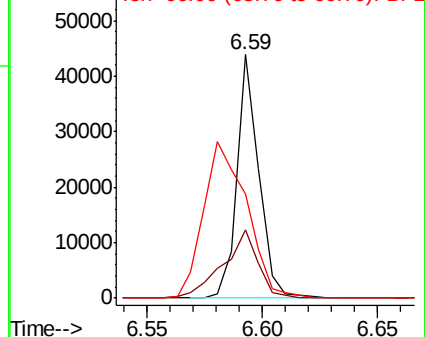
94 100

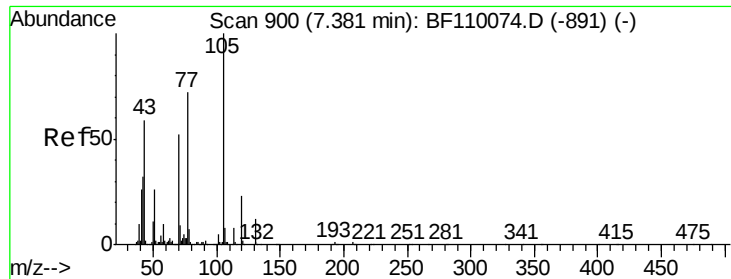
65 28.0 25.3 65.3

66 42.8 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

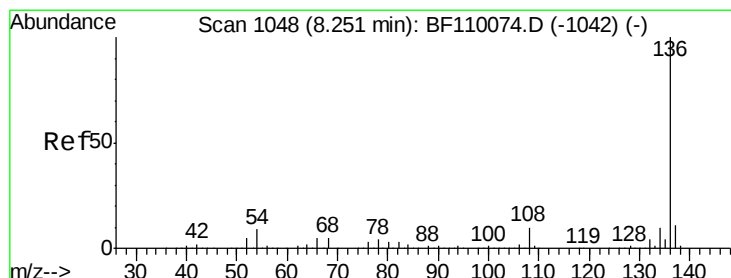
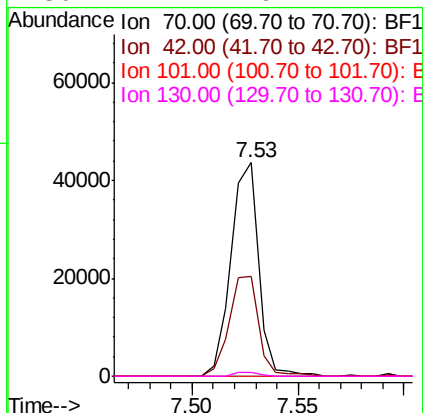
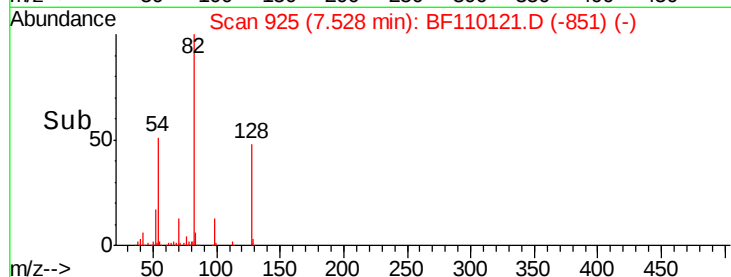
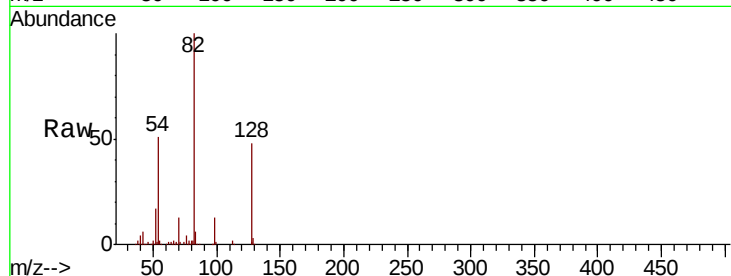




#19
n-Nitroso-di-n-propylamine
Concen: 5.042 ng
RT: 7.53 min Scan# 925
Delta R.T. 0.14 min
Lab File: BF110121.D
Acq: 24 Oct 2018 18:05

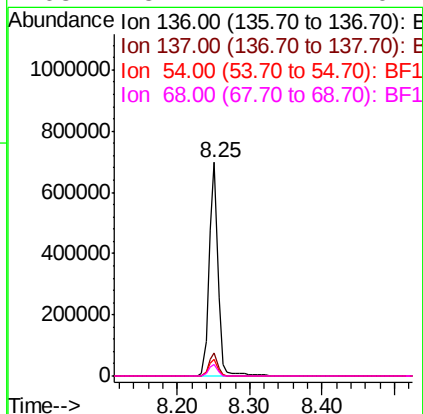
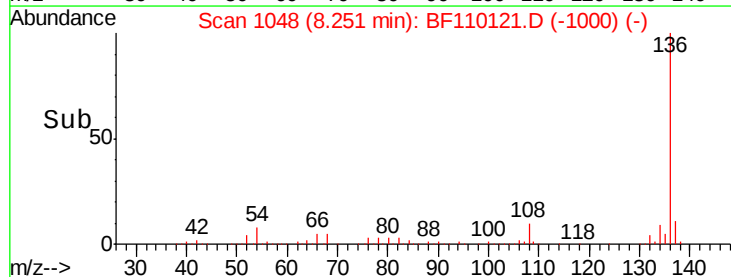
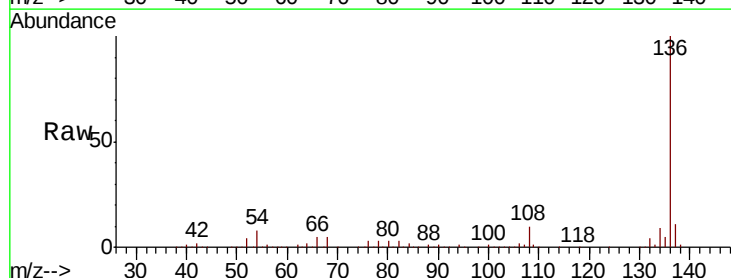
Instrument :
BNA_F
ClientSampleId :

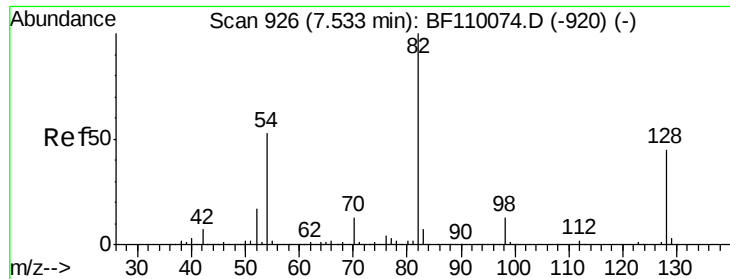
Tot Ion: 70 Resp: 39530
Ion Ratio Lower Upper
70 100
42 47.0 47.4 71.2#
101 0.0 7.3 10.9#
130 1.7 16.2 24.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1048
Delta R.T. -0.02 min
Lab File: BF110121.D
Acq: 24 Oct 2018 18:05

Tgt Ion: 136 Resp: 587025
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 7.6 5.4 8.2
68 5.2 4.2 6.2

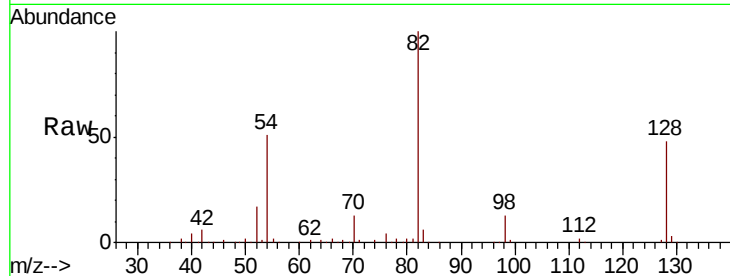




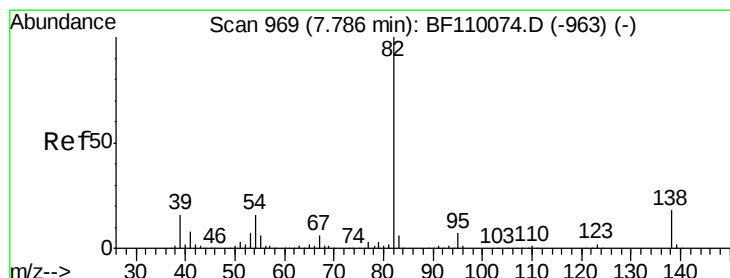
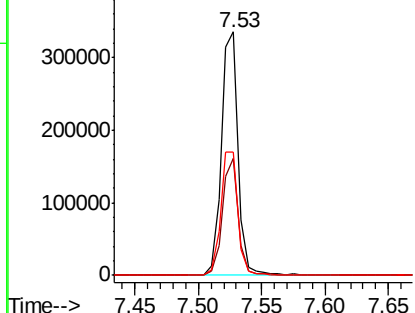
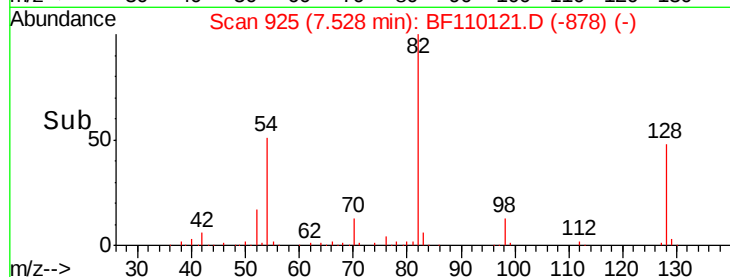
#23
 Nitrobenzene-d5
 Concen: 31.291 ng
 RT: 7.53 min Scan# 925
 Delta R.T. -0.02 min
 Lab File: BF110121.D
 Acq: 24 Oct 2018 18:05

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	82	Resp	309687
Ion Ratio	Lower	Upper	
82	100		
128	48.0	34.2	51.2
54	50.6	38.6	58.0

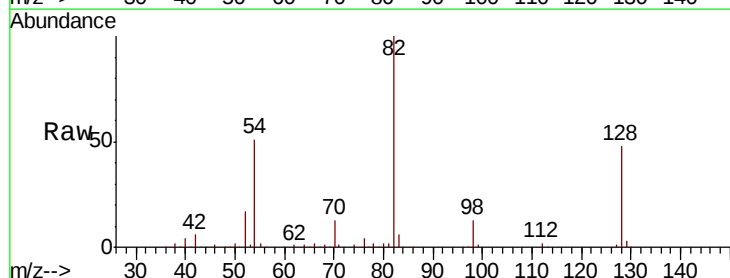


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

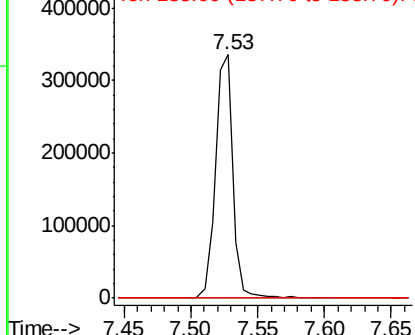
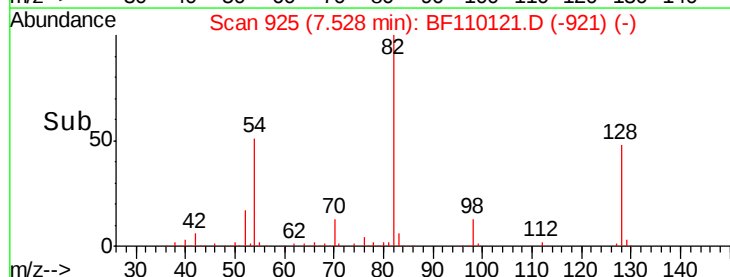


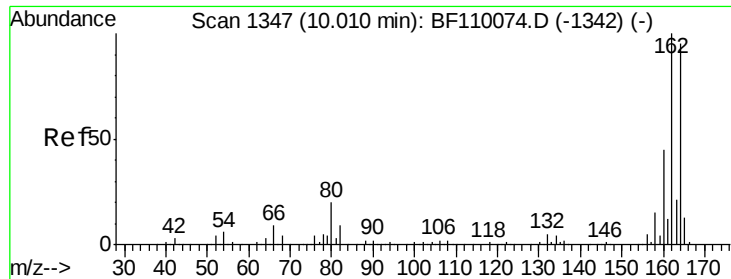
#25
 Isophorone
 Concen: 18.356 ng
 RT: 7.53 min Scan# 925
 Delta R.T. -0.28 min
 Lab File: BF110121.D
 Acq: 24 Oct 2018 18:05

Tgt Ion	82	Resp	309683
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: 10.01 min Scan# 1347

Delta R.T. -0.02 min

Lab File: BF110121.D

Acq: 24 Oct 2018 18:05

Instrument :

BNA_F

ClientSampleId :

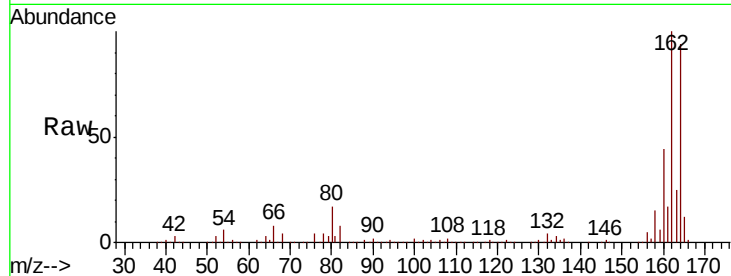
Tot Ion:164 Resp: 232633

Ion Ratio Lower Upper

164 100

162 105.8 83.0 124.6

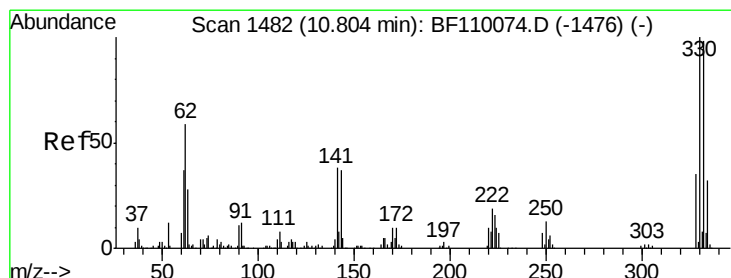
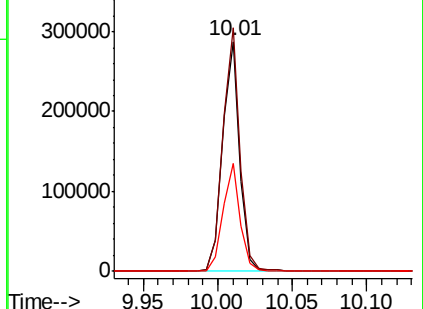
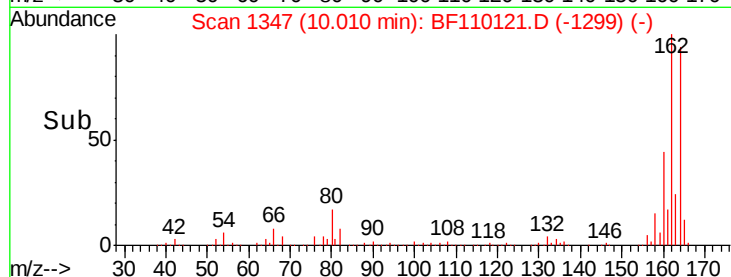
160 47.1 37.0 55.6



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: 38.536 ng

RT: 10.80 min Scan# 1481

Delta R.T. -0.02 min

Lab File: BF110121.D

Acq: 24 Oct 2018 18:05

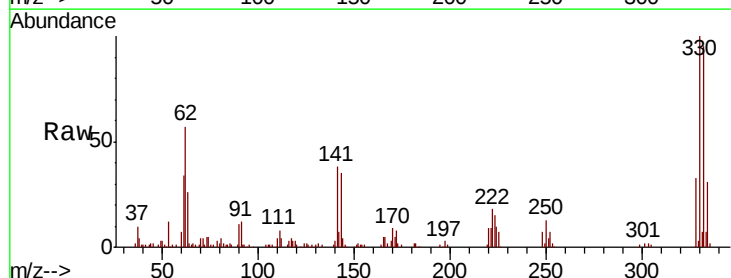
Tgt Ion:330 Resp: 88801

Ion Ratio Lower Upper

330 100

332 95.7 77.1 115.7

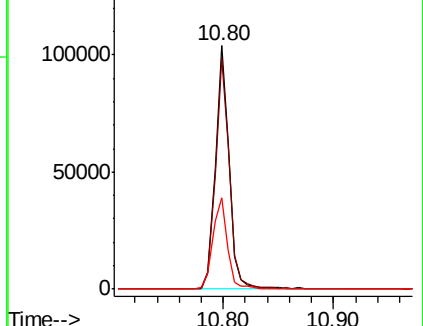
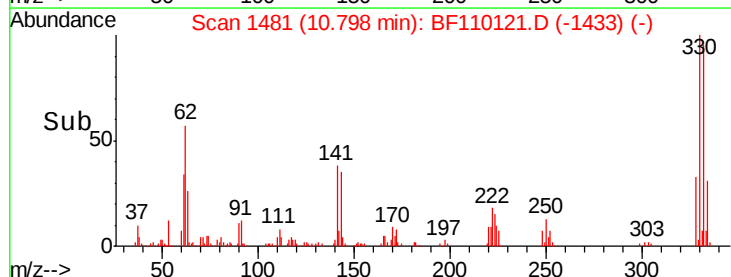
141 39.3 27.0 40.4

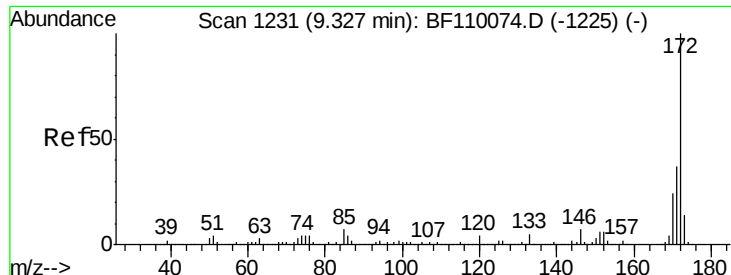


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



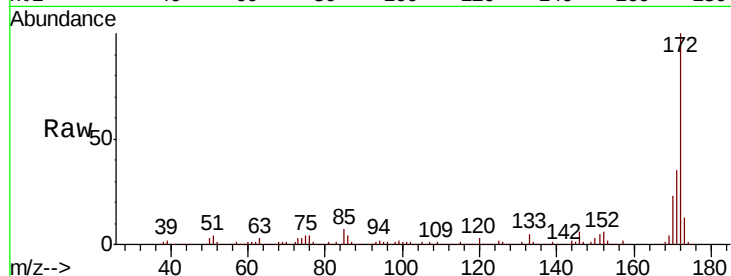


#45
 2-Fluorobiphenyl
 Concen: 36.030 ng
 RT: 9.32 min Scan# 1230
 Delta R.T. -0.02 min
 Lab File: BF110121.D
 Acq: 24 Oct 2018 18:05

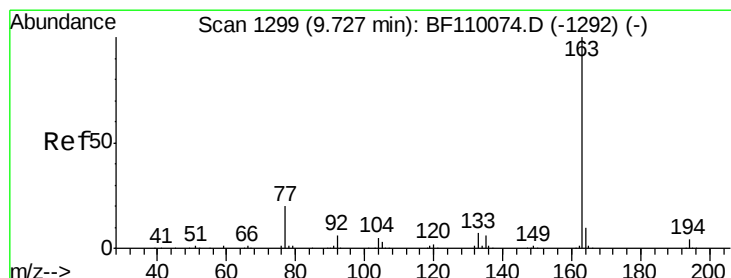
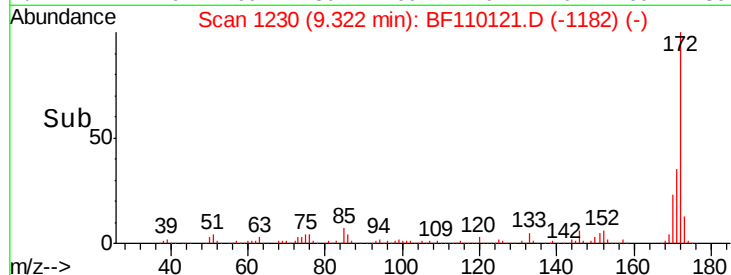
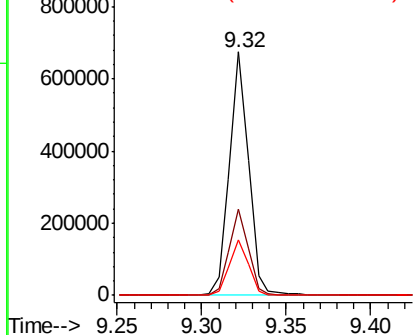
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 533786

Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.6	43.0
170	22.7	19.7	29.5



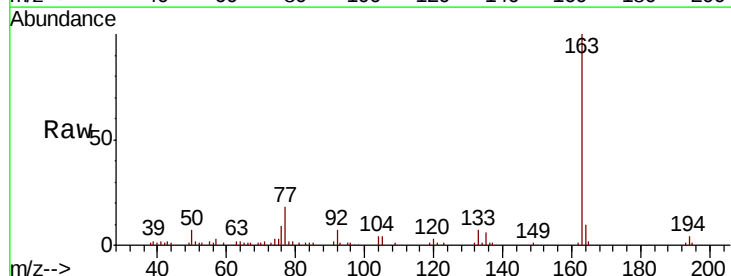
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



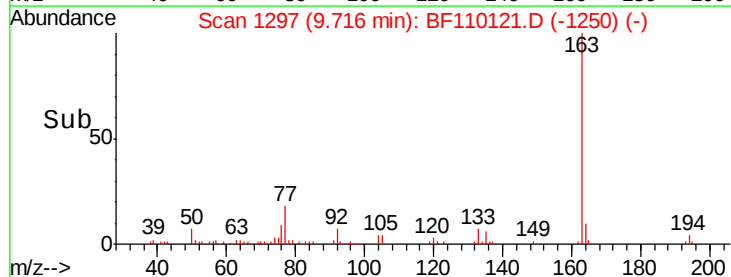
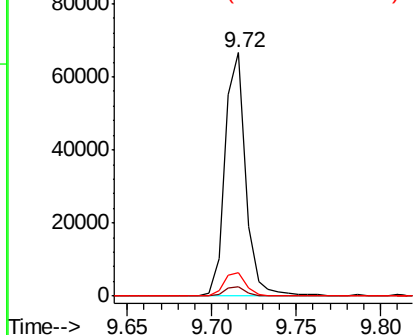
#50
 Dimethylphthalate
 Concen: 3.292 ng
 RT: 9.72 min Scan# 1297
 Delta R.T. -0.02 min
 Lab File: BF110121.D
 Acq: 24 Oct 2018 18:05

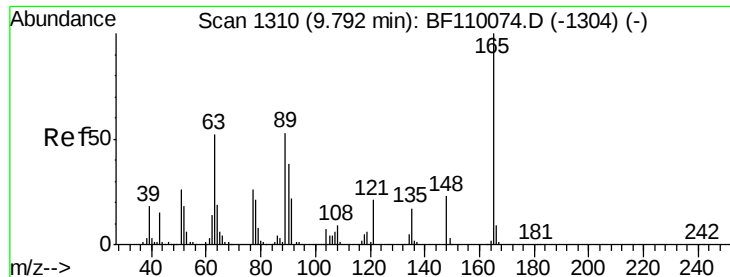
Tgt Ion:163 Resp: 56524

Ion	Ratio	Lower	Upper
163	100		
194	4.1	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

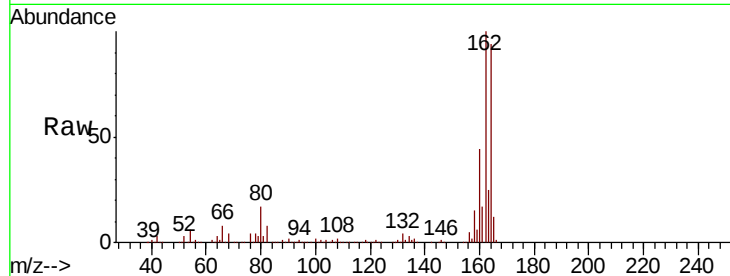




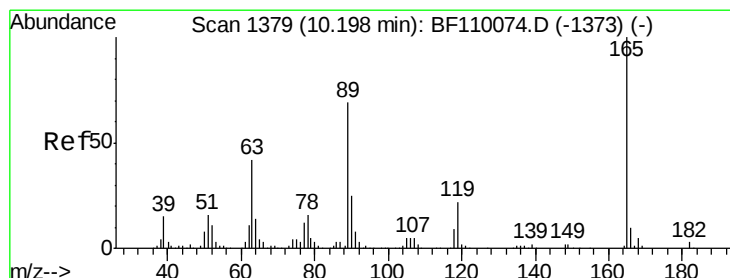
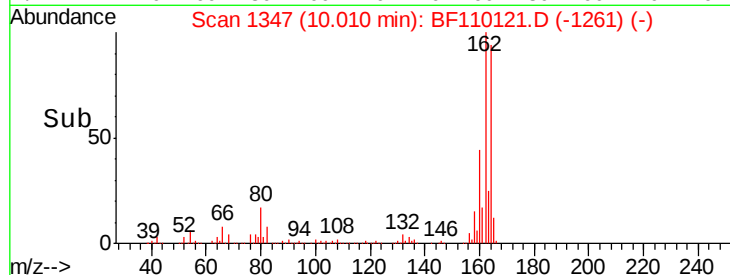
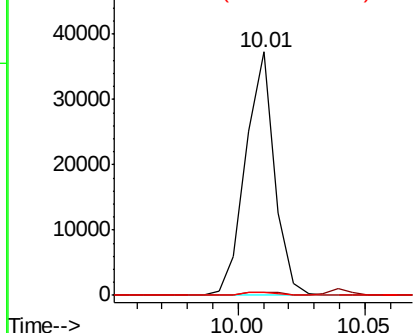
#51
 2,6-Dinitrotoluene
 Concen: 8.004 ng
 RT: 10.01 min Scan# 1347
 Delta R.T. 0.21 min
 Lab File: BF110121.D
 Acq: 24 Oct 2018 18:05

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	48.9	73.3#
89	1.5	46.6	69.8#



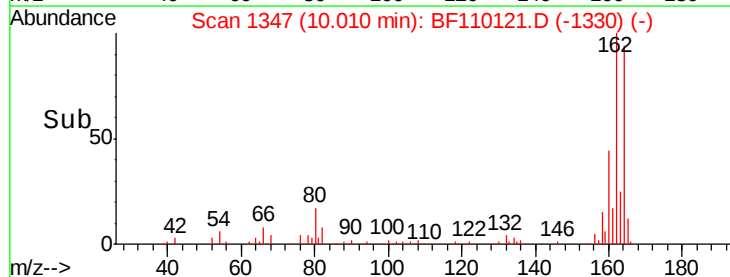
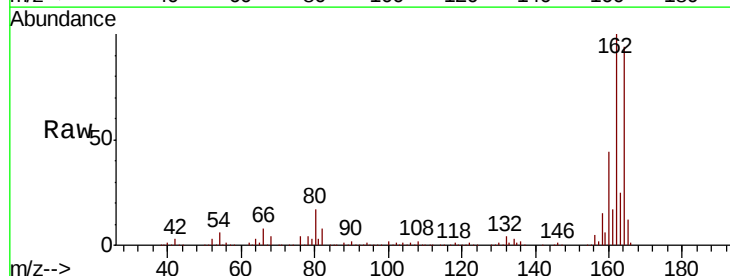
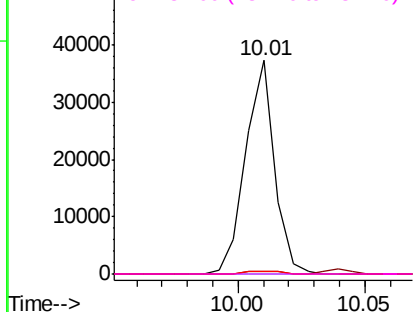
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

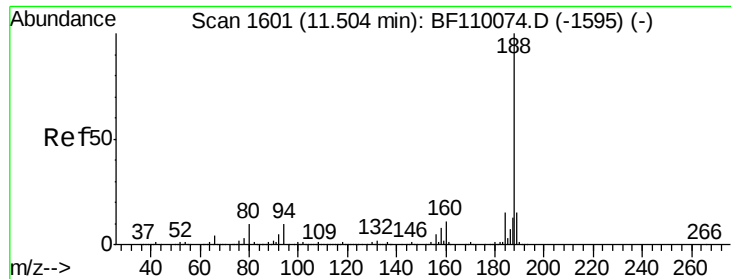


#57
 2,4-Dinitrotoluene
 Concen: 6.302 ng
 RT: 10.01 min Scan# 1347
 Delta R.T. -0.20 min
 Lab File: BF110121.D
 Acq: 24 Oct 2018 18:05

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	44.8	67.2#
89	1.5	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

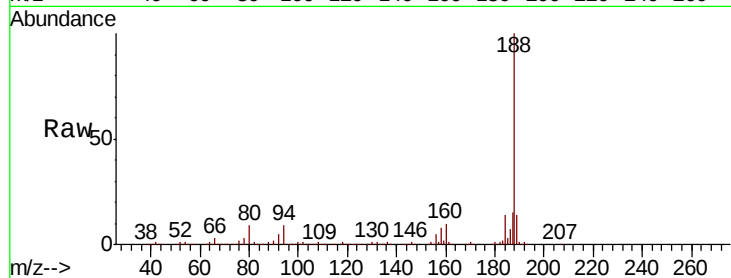




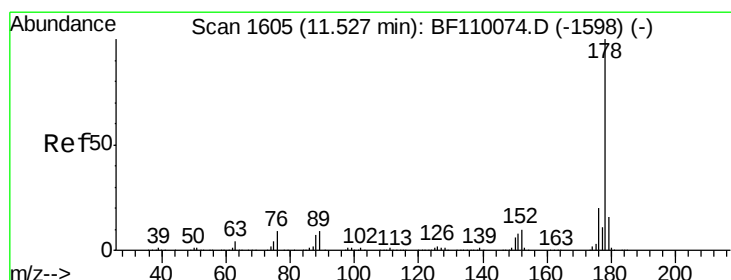
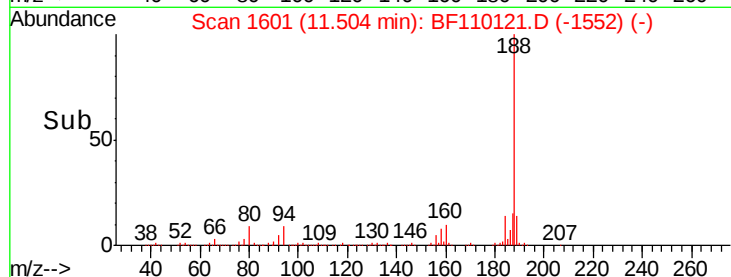
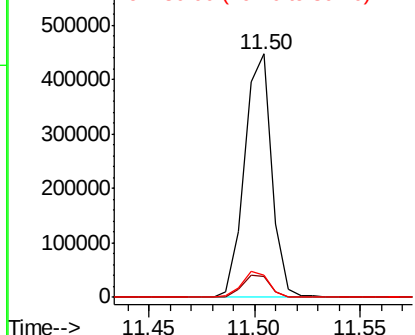
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: BF110121.D
Acq: 24 Oct 2018 18:05

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 399137
Ion Ratio Lower Upper
188 100
94 8.6 7.2 10.8
80 9.1 7.9 11.9

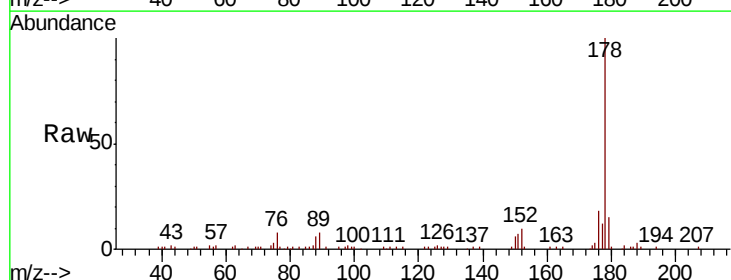


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

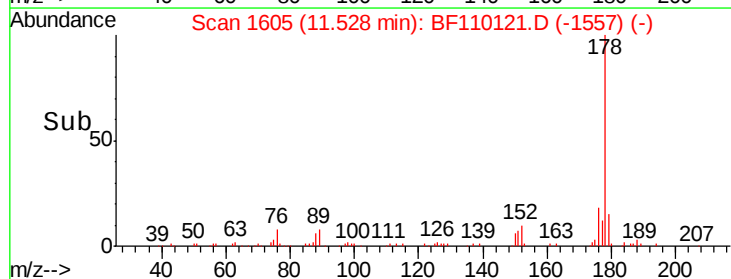
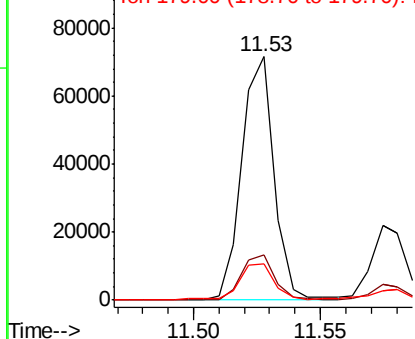


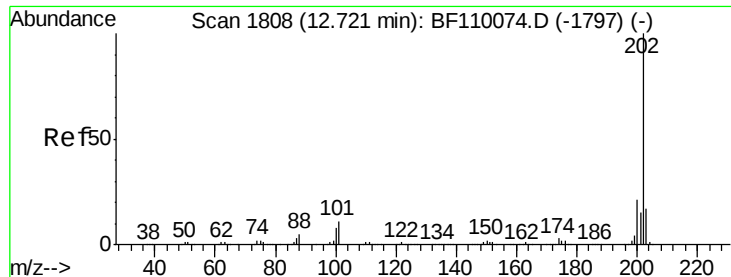
#71
Phenanthrene
Concen: 3.039 ng
RT: 11.53 min Scan# 1605
Delta R.T. -0.02 min
Lab File: BF110121.D
Acq: 24 Oct 2018 18:05

Tgt Ion:178 Resp: 63468
Ion Ratio Lower Upper
178 100
176 18.4 15.5 23.3
179 14.8 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





#75

Fluoranthene

Concen: 5.435 ng

RT: 12.72 min Scan# 1807

Delta R.T. -0.02 min

Lab File: BF110121.D

Acq: 24 Oct 2018 18:05

Instrument :

BNA_F

ClientSampleId :

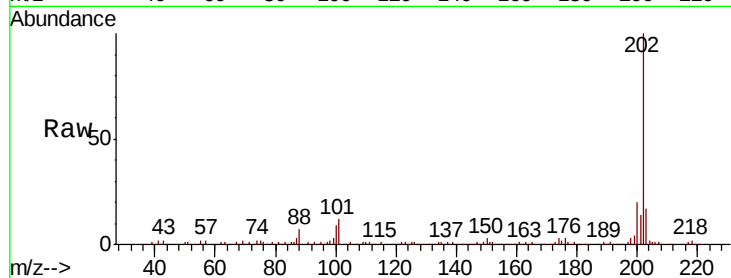
Tot Ion:202 Resp: 115199

Ion Ratio Lower Upper

202 100

101 11.5 0.0 31.4

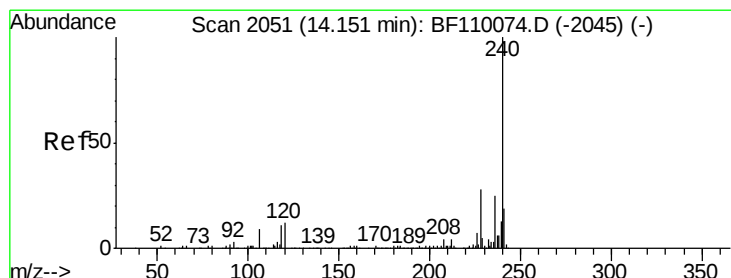
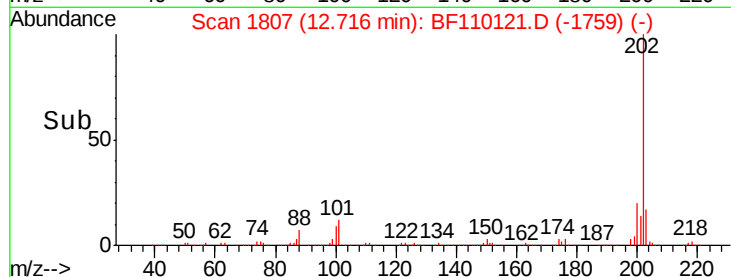
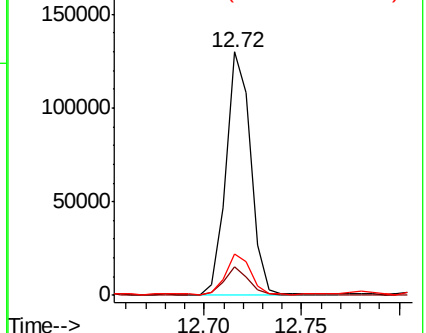
203 17.2 0.0 37.7



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: 14.15 min Scan# 2051

Delta R.T. -0.01 min

Lab File: BF110121.D

Acq: 24 Oct 2018 18:05

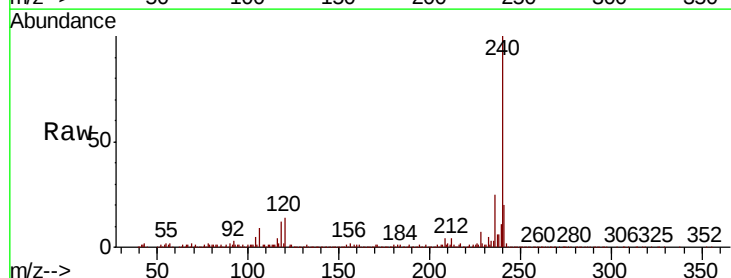
Tgt Ion:240 Resp: 346394

Ion Ratio Lower Upper

240 100

120 13.8 8.3 12.5#

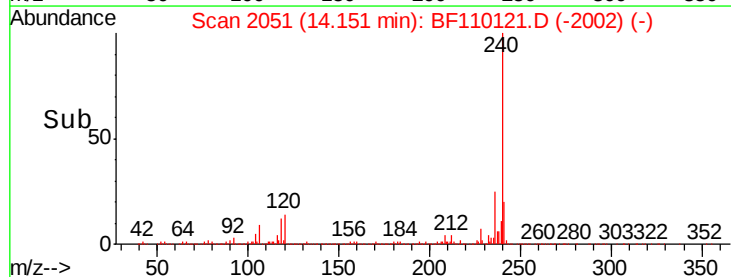
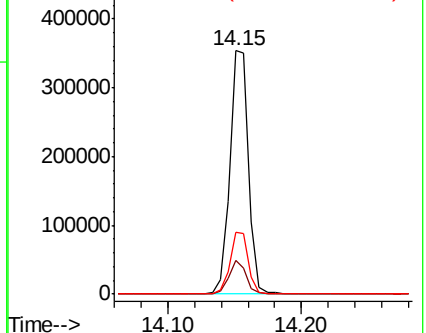
236 25.2 21.2 31.8

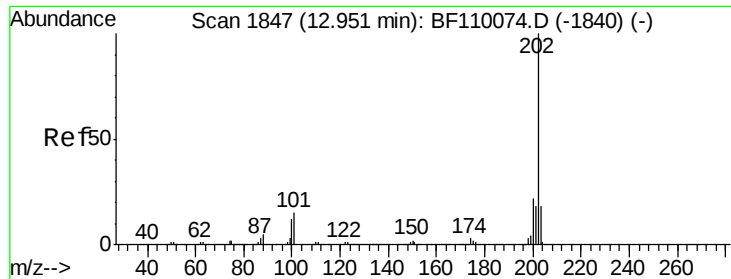


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 4.798 ng

RT: 12.95 min Scan# 1847

Delta R.T. -0.02 min

Lab File: BF110121.D

Acq: 24 Oct 2018 18:05

Instrument :

BNA_F

ClientSampleId :

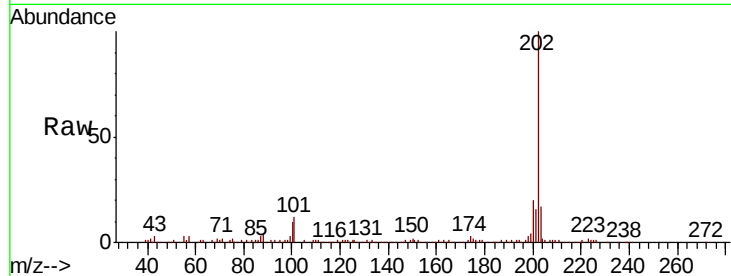
Tot Ion:202 Resp: 119147

Ion Ratio Lower Upper

202 100

200 20.4 17.8 26.6

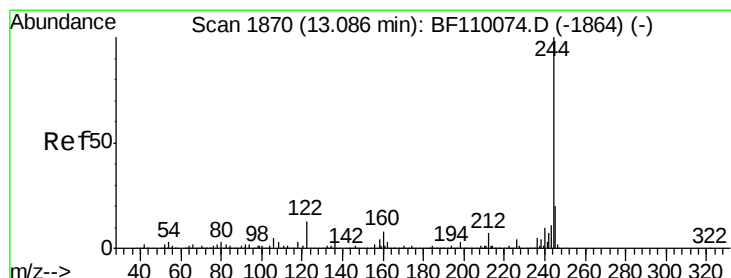
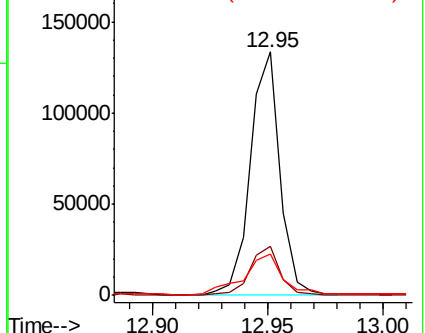
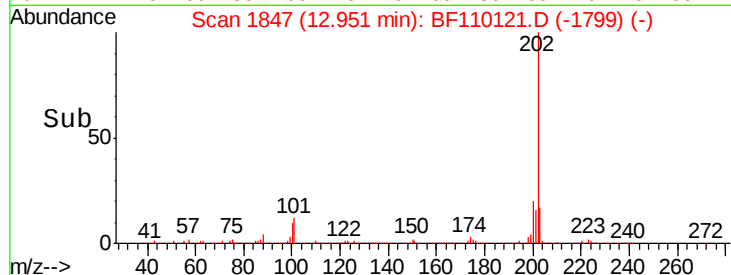
203 17.2 14.2 21.4



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: 29.223 ng

RT: 13.09 min Scan# 1870

Delta R.T. -0.02 min

Lab File: BF110121.D

Acq: 24 Oct 2018 18:05

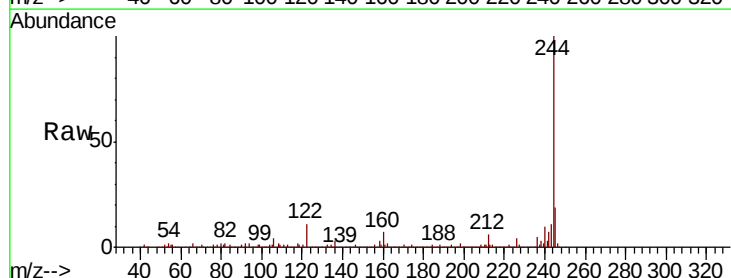
Tgt Ion:244 Resp: 486732

Ion Ratio Lower Upper

244 100

212 6.5 5.8 8.8

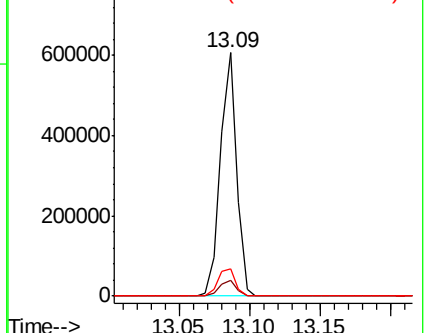
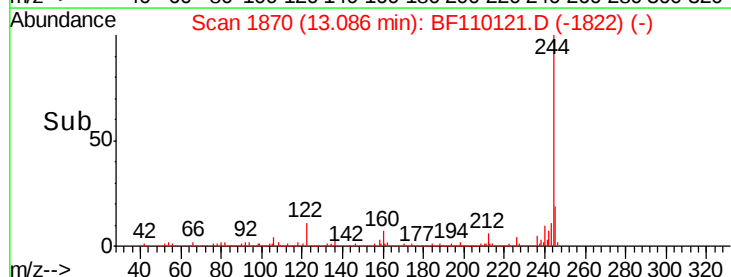
122 11.2 8.7 13.1

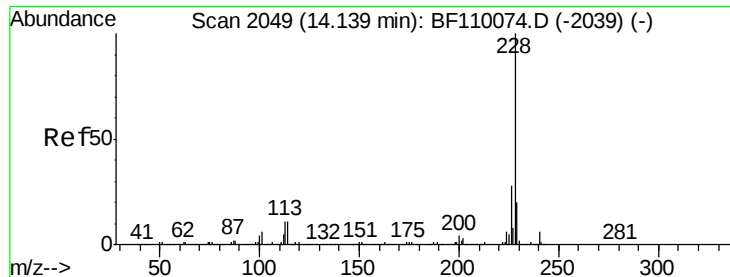


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

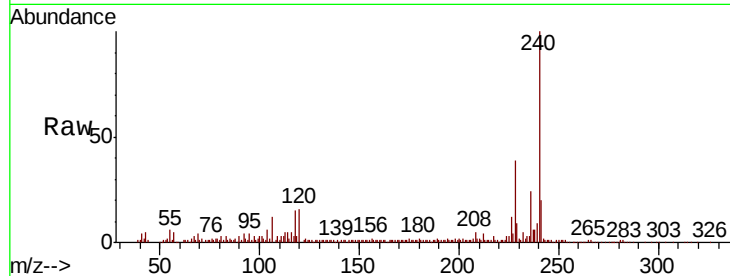




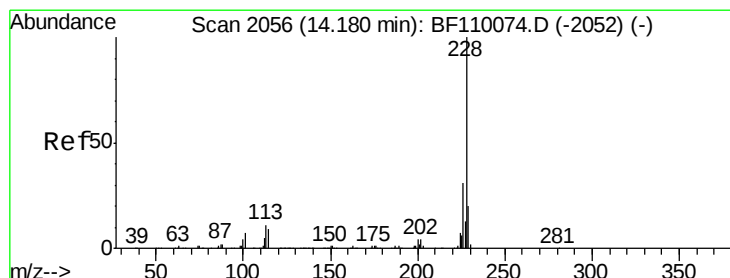
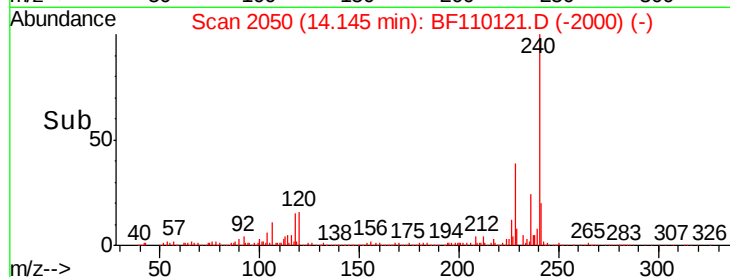
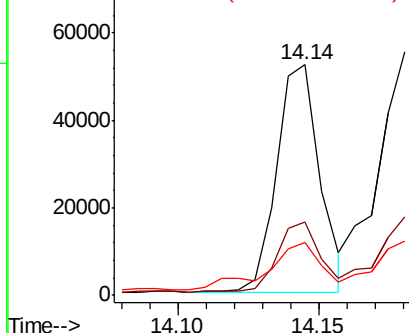
#81
Benzo(a)anthracene
Concen: 2.700 ng
RT: 14.14 min Scan# 2050
Delta R.T. -0.01 min
Lab File: BF110121.D
Acq: 24 Oct 2018 18:05

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 55453
Ion Ratio Lower Upper
228 100
226 31.7 22.1 33.1
229 22.8 15.6 23.4

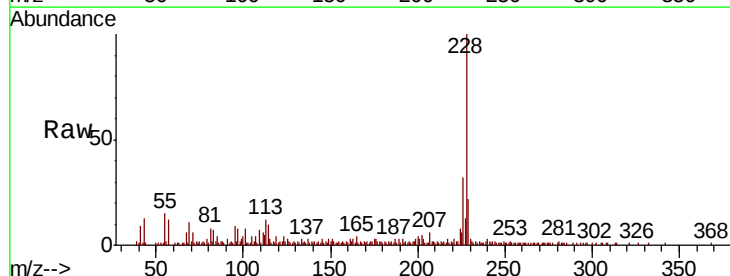


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

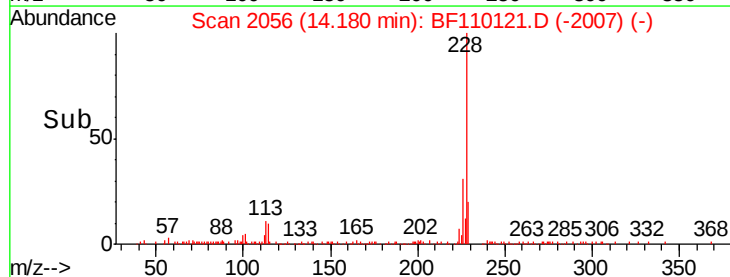
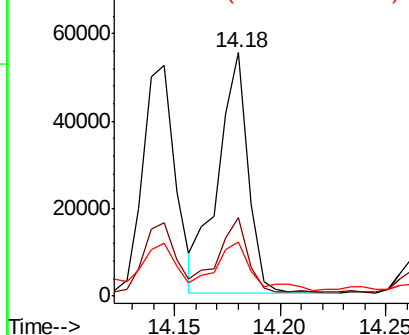


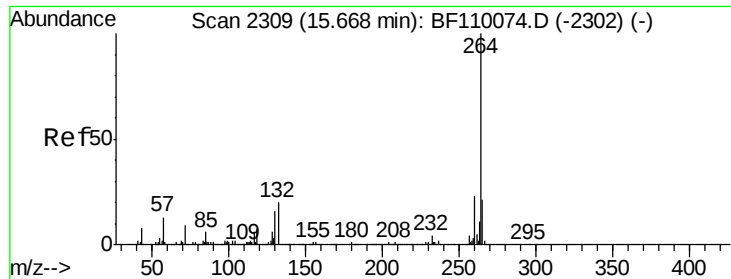
#83
Chrysene
Concen: 2.788 ng
RT: 14.18 min Scan# 2056
Delta R.T. -0.01 min
Lab File: BF110121.D
Acq: 24 Oct 2018 18:05

Tgt Ion:228 Resp: 54401
Ion Ratio Lower Upper
228 100
226 32.1 24.7 37.1
229 22.2 15.9 23.9



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

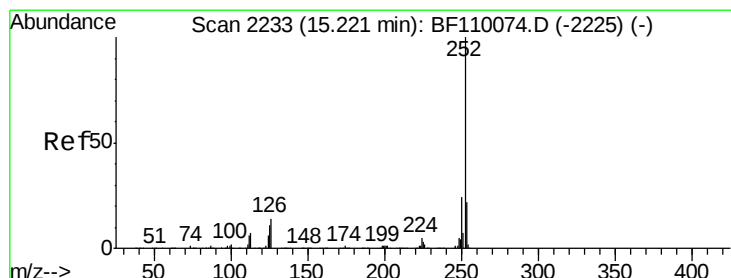
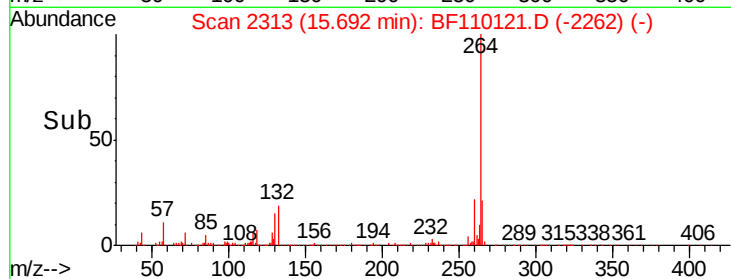
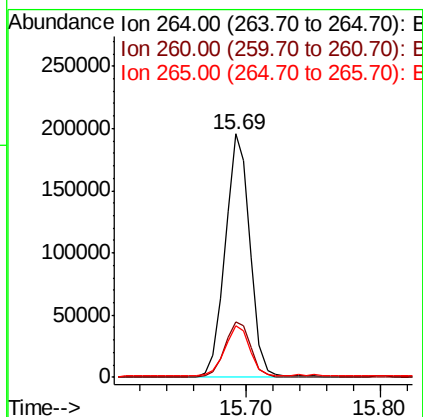
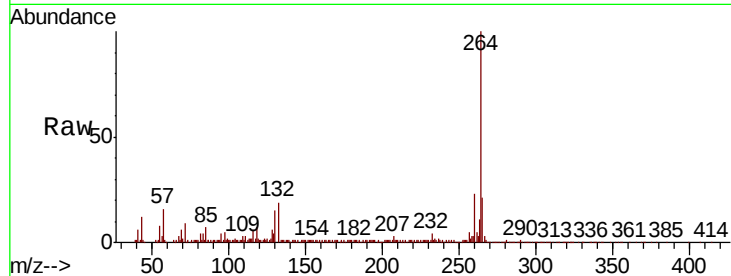




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2313
Delta R.T. -0.00 min
Lab File: BF110121.D
Acq: 24 Oct 2018 18:05

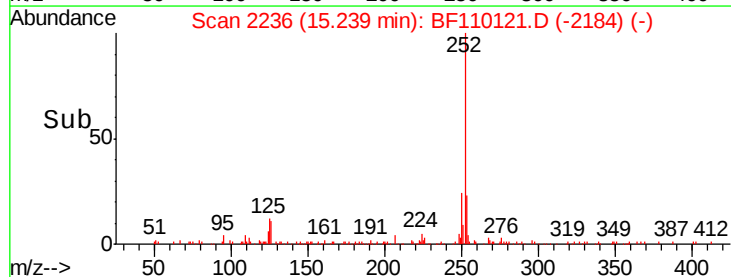
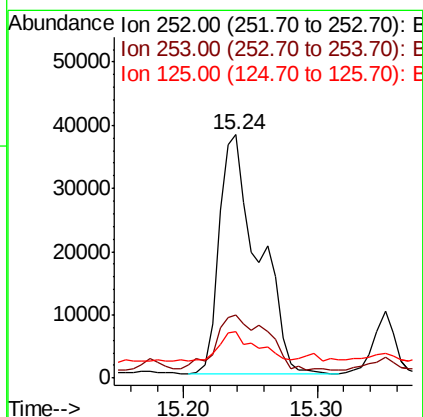
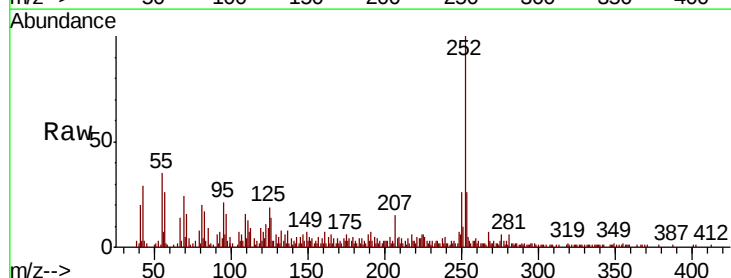
Instrument :
BNA_F
ClientSampled :

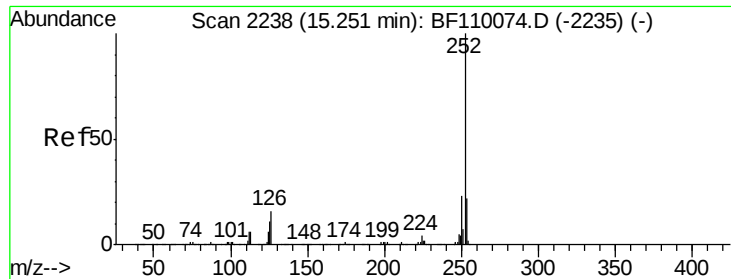
Tot Ion	Ratio	Lower	Upper
264	100		
260	22.8	18.7	28.1
265	21.0	16.7	25.1



#88
Benzo(b)fluoranthene
Concen: 5.287 ng
RT: 15.24 min Scan# 2236
Delta R.T. 0.01 min
Lab File: BF110121.D
Acq: 24 Oct 2018 18:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.1	17.2	25.8#
125	19.1	8.2	12.4#

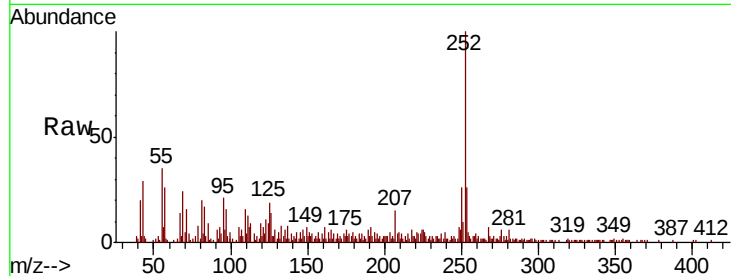




#89
Benzo(k)fluoranthene
Concen: 5.378 ng
RT: 15.24 min Scan# 2236
Delta R.T. -0.03 min
Lab File: BF110121.D
Acq: 24 Oct 2018 18:05

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.1	17.2	25.8#
125	19.1	7.4	11.0#

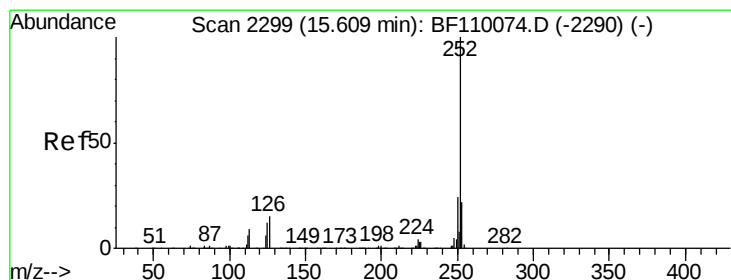
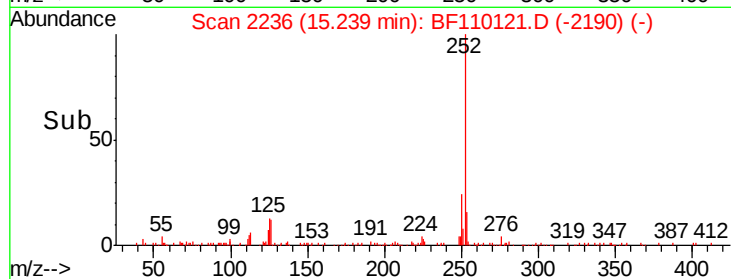
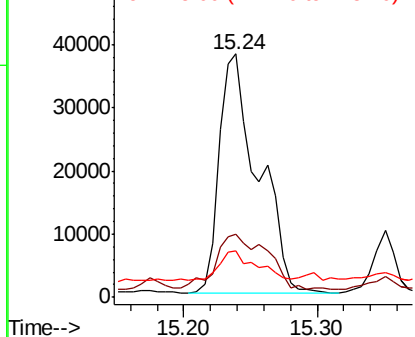


Abundance

Ion 252.00 (251.70 to 252.70): E

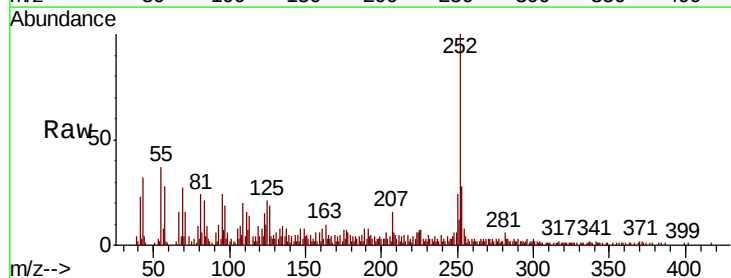
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90
Benzo(a)pyrene
Concen: 3.078 ng
RT: 15.62 min Scan# 2301
Delta R.T. -0.01 min
Lab File: BF110121.D
Acq: 24 Oct 2018 18:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.8	18.2	27.4#
125	20.8	9.0	13.6#

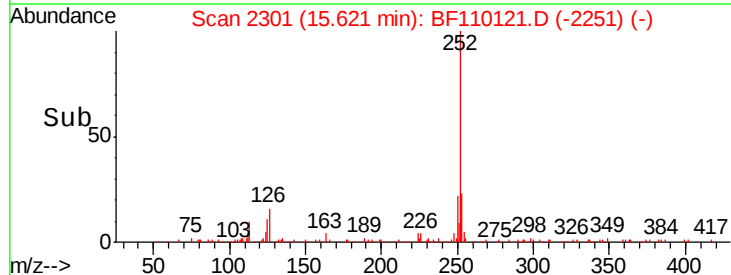
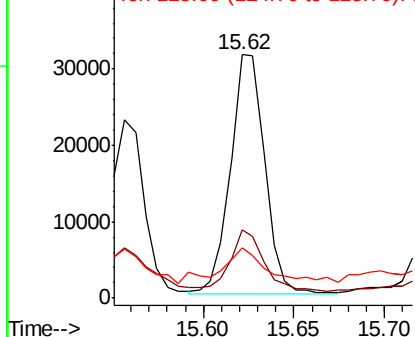


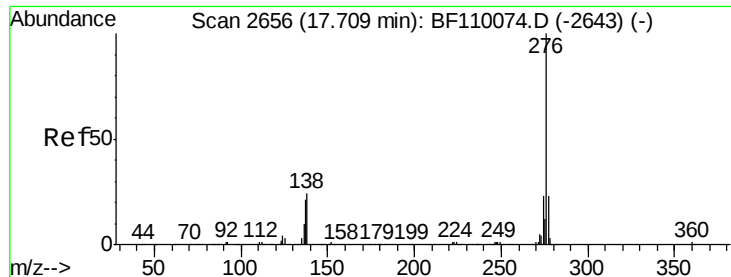
Abundance

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

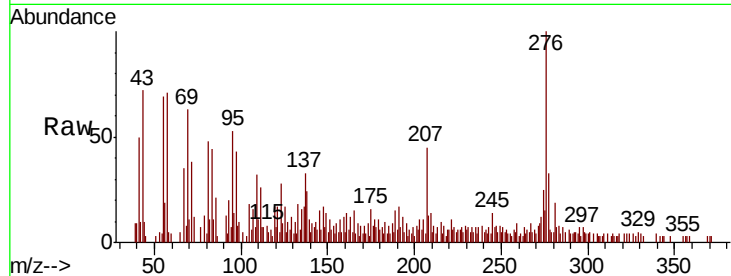




#92
 Benzo(a,h,i)perylene
 Concen: 2.021 ng
 RT: 17.73 min Scan# 2660
 Delta R.T. -0.01 min
 Lab File: BF110121.D
 Acq: 24 Oct 2018 18:05

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	33.2	18.8	28.2
138	24.3	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

