

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110918\
 Data File : BF110642.D
 Acq On : 9 Nov 2018 22:03
 Operator : JU/SJ
 Sample : J5813-07
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 11 03:24:29 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 09 15:13:13 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	84219	20.00	ng	0.00
21) Naphthalene-d8	8.23	136	348012	20.00	ng	0.00
39) Acenaphthene-d10	9.99	164	153351	20.00	ng	0.00
64) Phenanthrene-d10	11.48	188	238809	20.00	ng	0.00
76) Chrysene-d12	14.13	240	163216	20.00	ng	-0.01
87) Perylene-d12	15.66	264	129982	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.56	112	476221	91.85	ng	0.00
7) Phenol-d6	6.57	99	627034	94.57	ng	0.00
23) Nitrobenzene-d5	7.51	82	397354	65.75	ng	0.00
42) 2,4,6-Tribromophenol	10.78	330	119400	77.27	ng	0.00
45) 2-Fluorobiphenyl	9.30	172	672300	62.61	ng	0.00
79) Terphenyl-d14	13.06	244	436884	50.13	ng	0.00

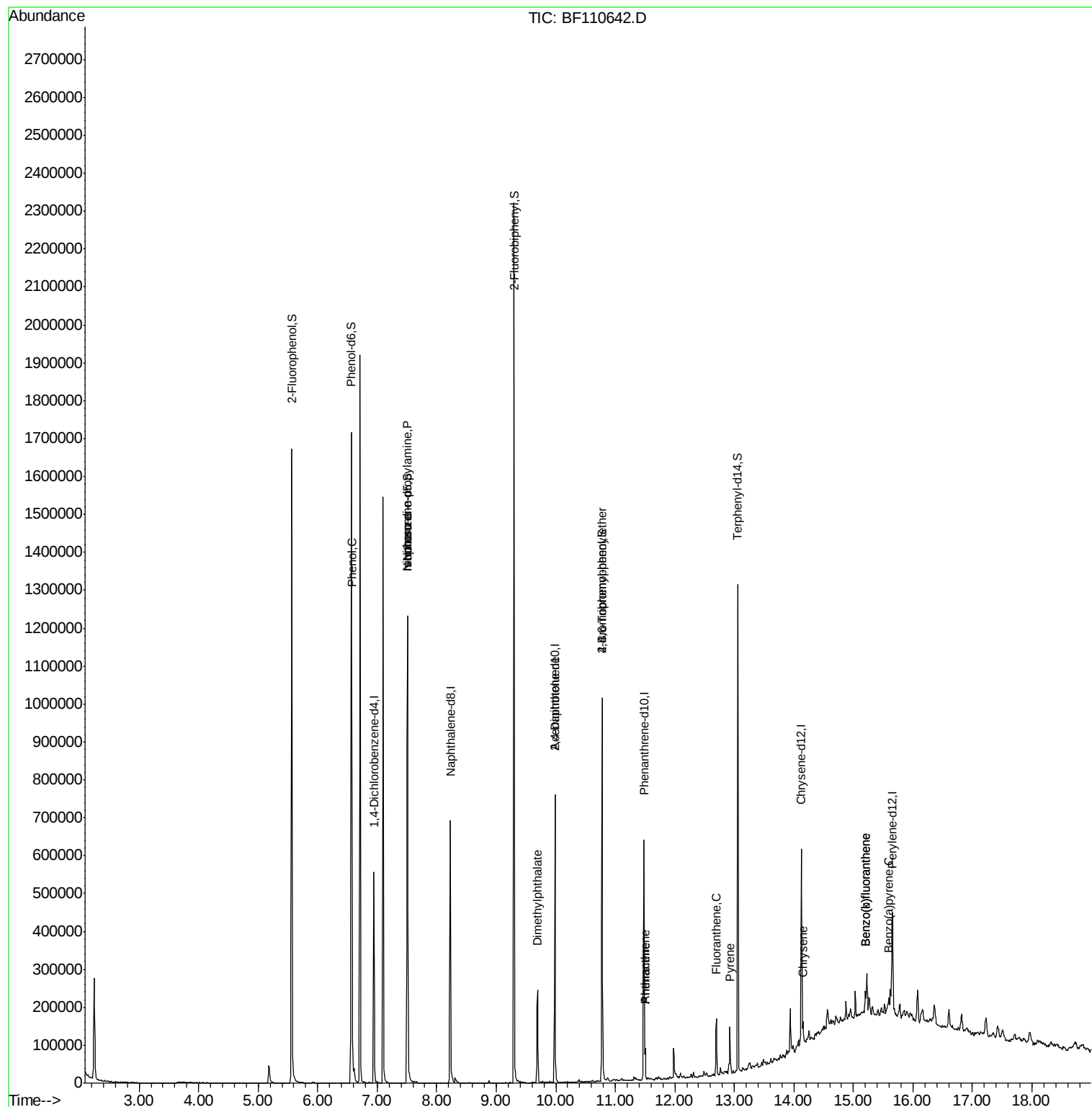
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.57	77	1057	Below Cal		# 1
10) Phenol	6.58	94	42200	5.489	ng	# 66
19) n-Nitroso-di-n-propylamine	7.51	70	52245	12.344	ng	# 79
25) Isophorone	7.51	82	397352	40.118	ng	# 67
50) Dimethylphthalate	9.69	163	105024	9.178	ng	99
57) 2,4-Dinitrotoluene	9.99	165	18763	5.733	ng	# 18
67) 4-Bromophenyl-phenylether	10.77	248	8015	3.037	ng	# 1
71) Phenanthrene	11.50	178	28167	2.202	ng	99
72) Anthracene	11.50	178	28167	2.182	ng	99
75) Fluoranthene	12.70	202	59589	4.646	ng	96
78) Pyrene	12.93	202	50192	3.994	ng	98
83) Chrysene	14.16	228	23910	2.573	ng	# 95
88) Benzo(b)fluoranthene	15.20	252	38943	5.008	ng	# 87
89) Benzo(k)fluoranthene	15.20	252	38943	5.068	ng	# 86
90) Benzo(a)pyrene	15.59	252	16740	2.369	ng	# 89

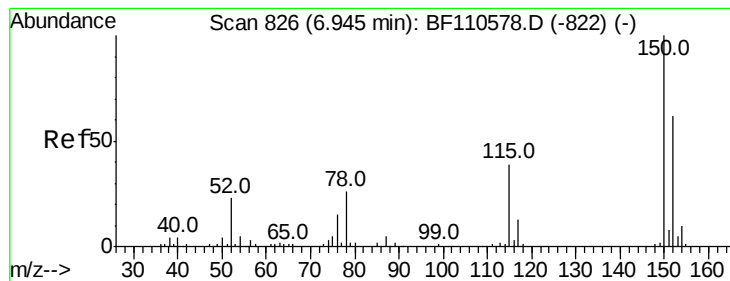
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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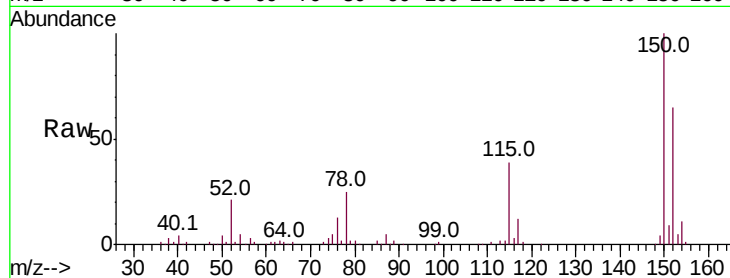


#1

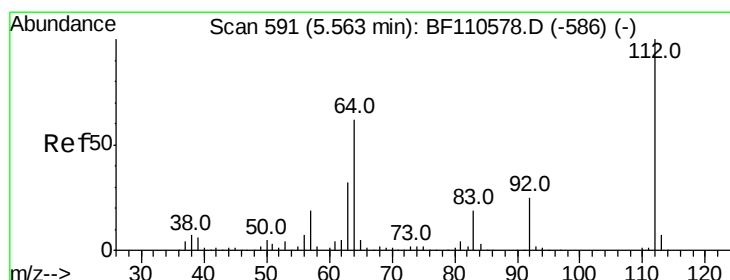
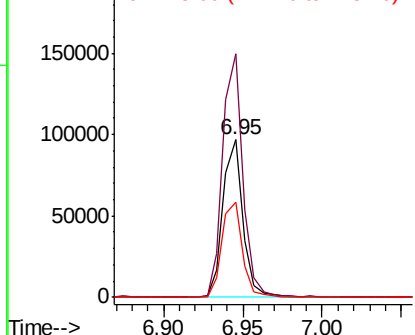
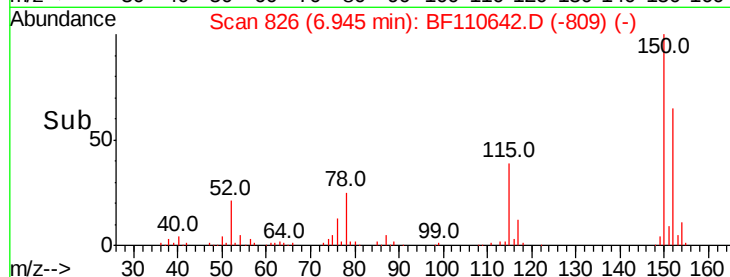
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 826
Delta R.T. 0.00 min
Lab File: BF110642.D
Acq: 9 Nov 2018 22:03

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 84219
Ion Ratio Lower Upper
152 100
150 154.7 122.7 184.1
115 60.3 49.1 73.7



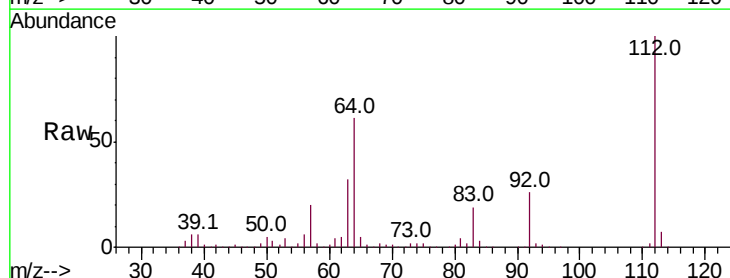
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



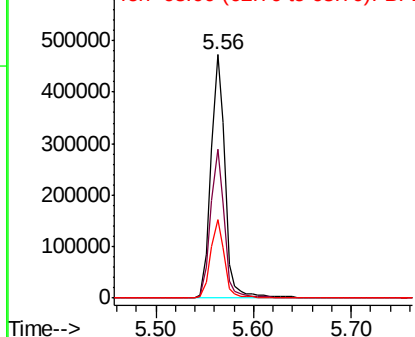
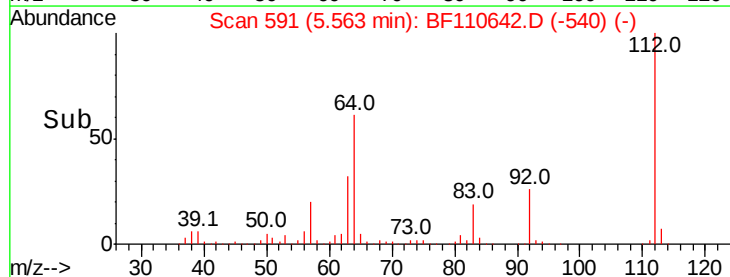
#5

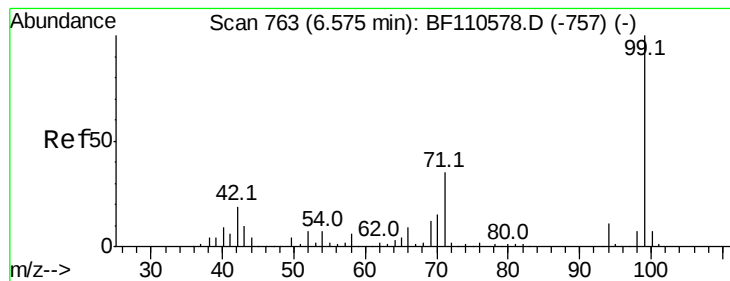
2-Fluorophenol
Concen: 91.848 ng
RT: 5.56 min Scan# 591
Delta R.T. 0.00 min
Lab File: BF110642.D
Acq: 9 Nov 2018 22:03

Tgt Ion:112 Resp: 476221
Ion Ratio Lower Upper
112 100
64 61.4 44.1 66.1
63 32.1 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: 94.572 ng

RT: 6.57 min Scan# 762

Delta R.T. -0.01 min

Lab File: BF110642.D

Acq: 9 Nov 2018 22:03

Instrument :

BNA_F

ClientSampleId :

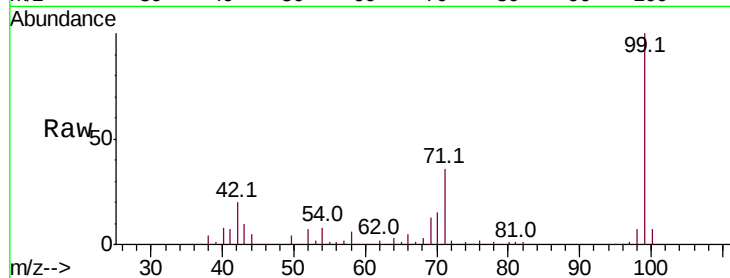
Tot Ion: 99 Resp: 627034

Ion Ratio Lower Upper

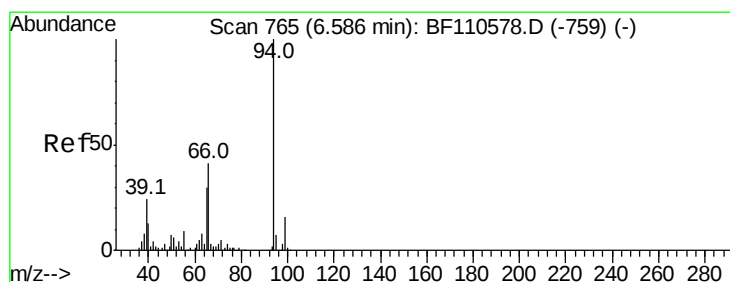
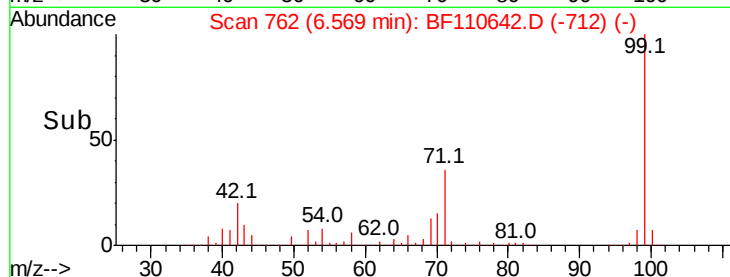
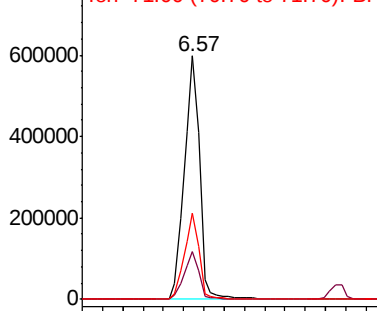
99 100

42 19.6 15.8 23.6

71 35.5 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: 5.489 ng

RT: 6.58 min Scan# 764

Delta R.T. -0.01 min

Lab File: BF110642.D

Acq: 9 Nov 2018 22:03

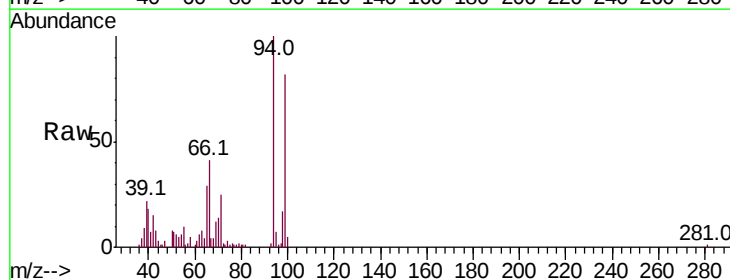
Tgt Ion: 94 Resp: 42200

Ion Ratio Lower Upper

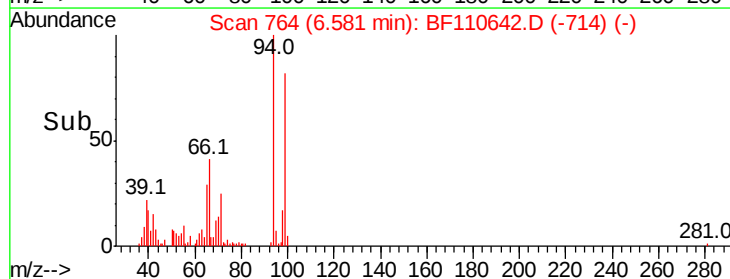
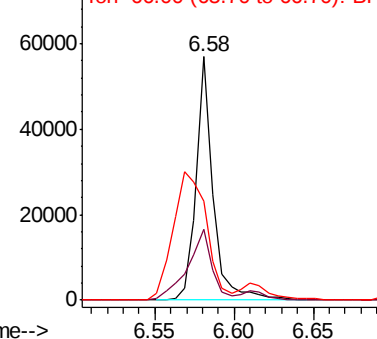
94 100

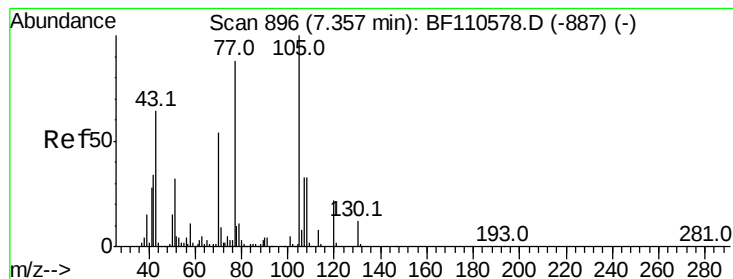
65 29.1 25.3 65.3

66 40.6 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: 12.344 ng

RT: 7.51 min Scan# 922

Delta R.T. 0.15 min

Lab File: BF110642.D

Acq: 9 Nov 2018 22:03

Instrument :

BNA_F

ClientSampled :

Tot Ion: 70 Resp: 52245

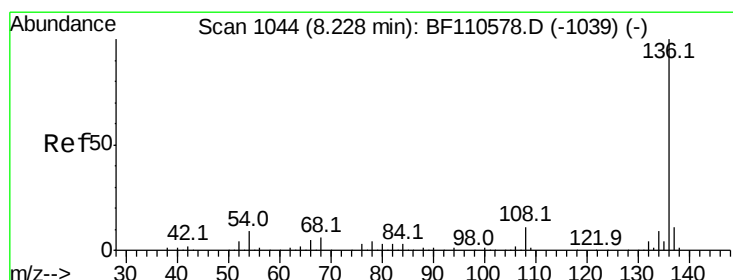
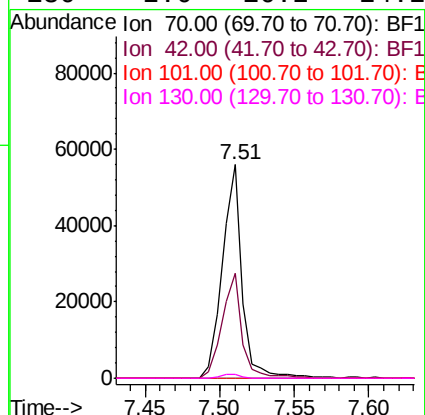
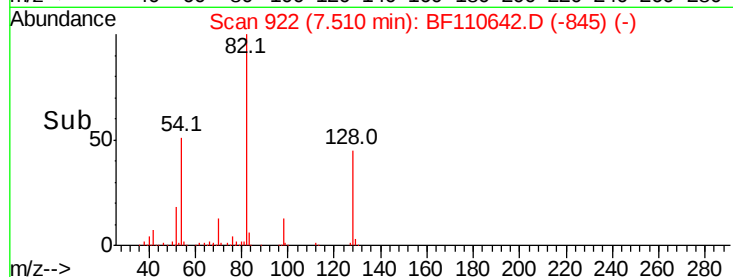
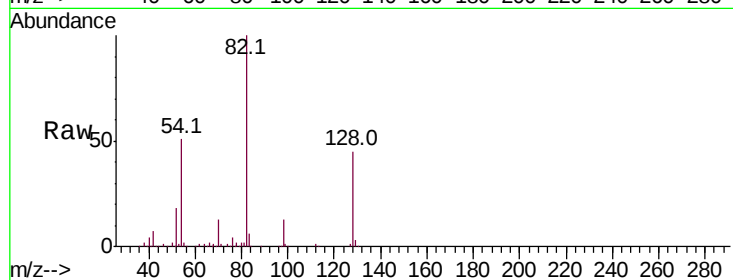
Ion Ratio Lower Upper

70 100

42 49.3 47.4 71.2

101 0.0 7.3 10.9#

130 2.0 16.2 24.2#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.23 min Scan# 1044

Delta R.T. 0.00 min

Lab File: BF110642.D

Acq: 9 Nov 2018 22:03

Tgt Ion: 136 Resp: 348012

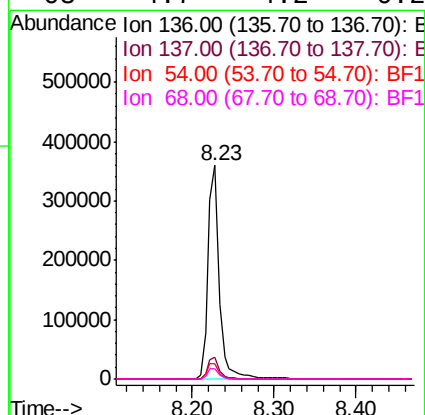
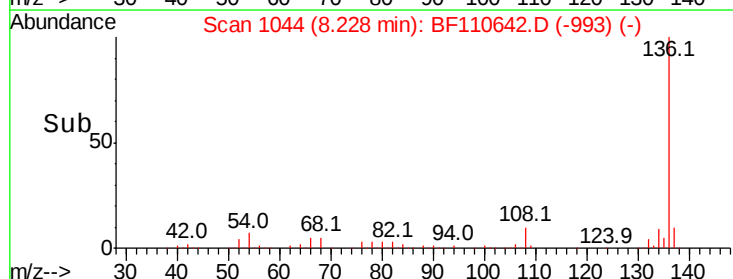
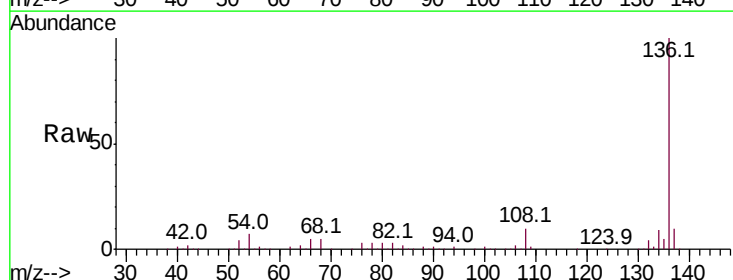
Ion Ratio Lower Upper

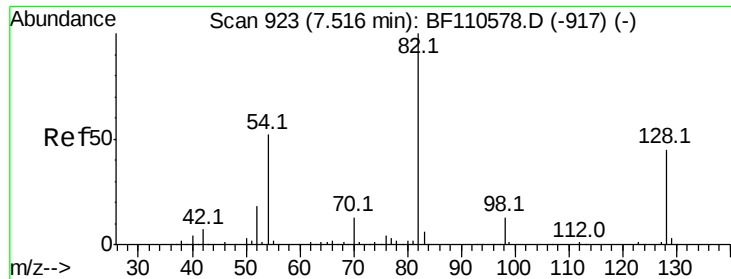
136 100

137 10.5 8.8 13.2

54 7.2 5.4 8.2

68 4.7 4.2 6.2

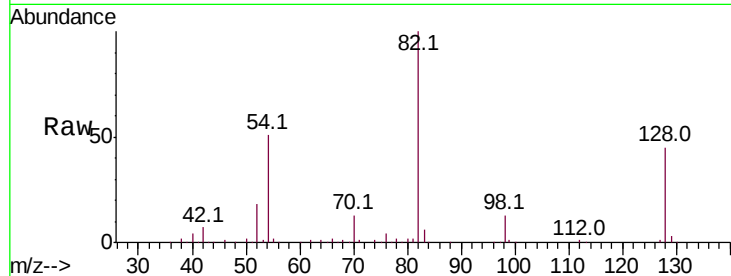




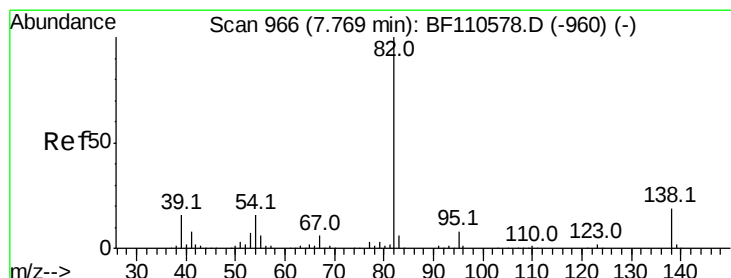
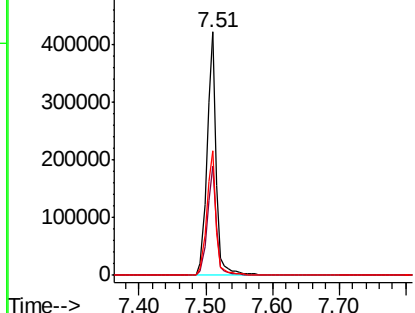
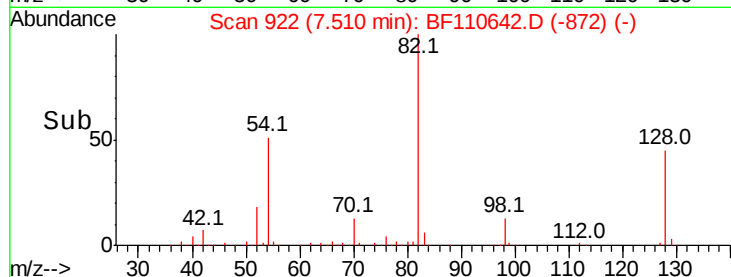
#23
Nitrobenzene-d5
Concen: 65.755 ng
RT: 7.51 min Scan# 922
Delta R.T. -0.01 min
Lab File: BF110642.D
Acq: 9 Nov 2018 22:03

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.0	34.2	51.2
54	51.3	38.6	58.0

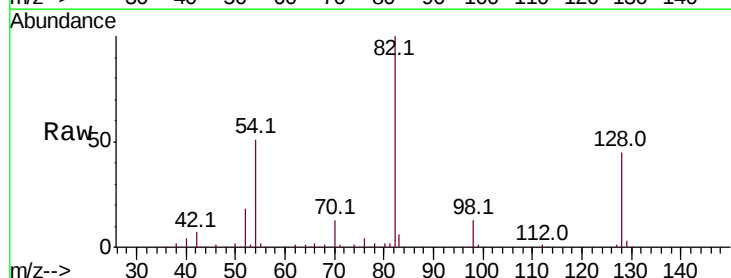


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

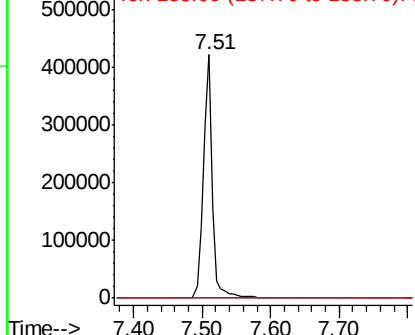
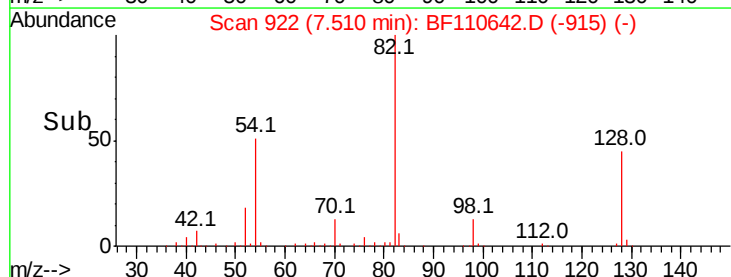


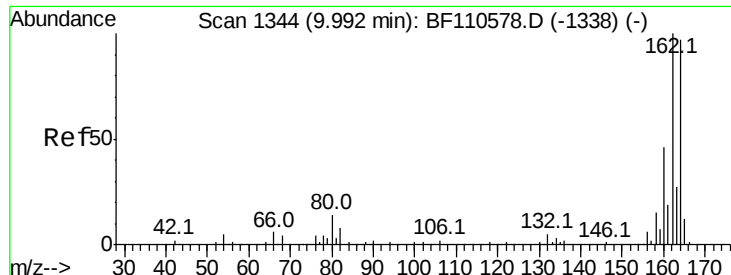
#25
Isophorone
Concen: 40.118 ng
RT: 7.51 min Scan# 922
Delta R.T. -0.26 min
Lab File: BF110642.D
Acq: 9 Nov 2018 22:03

Tgt 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

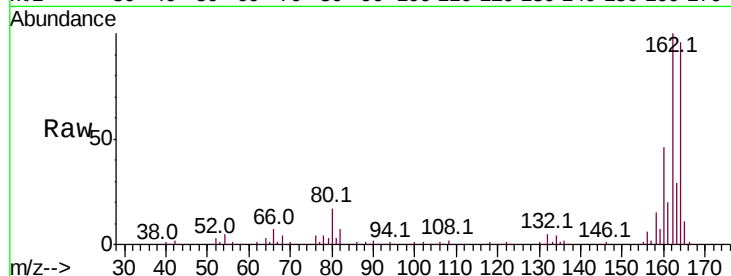




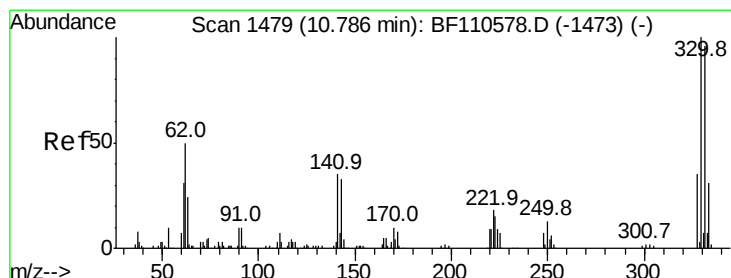
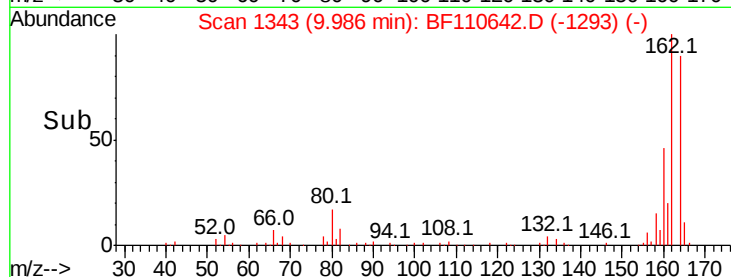
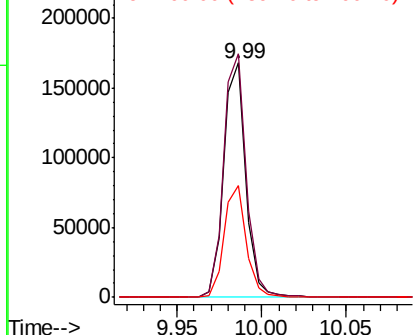
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.99 min Scan# 1343
Delta R.T. -0.01 min
Lab File: BF110642.D
Acq: 9 Nov 2018 22:03

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 153351
Ion Ratio Lower Upper
164 100
162 103.8 83.0 124.6
160 47.4 37.0 55.6

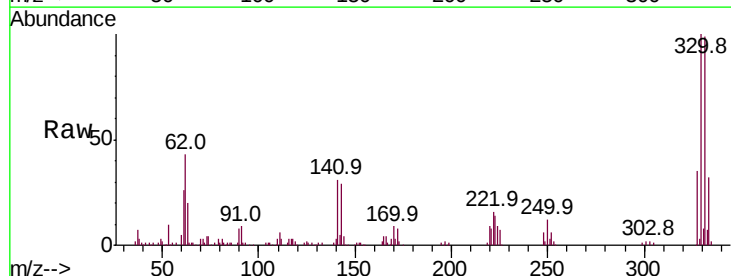


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

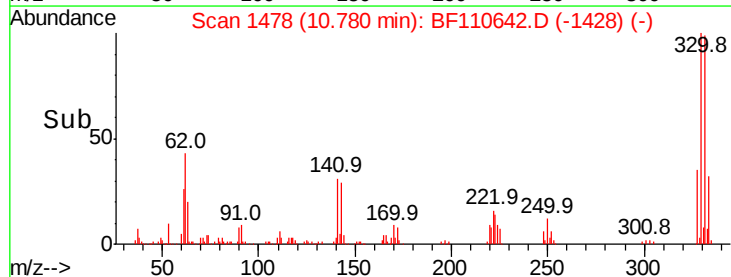
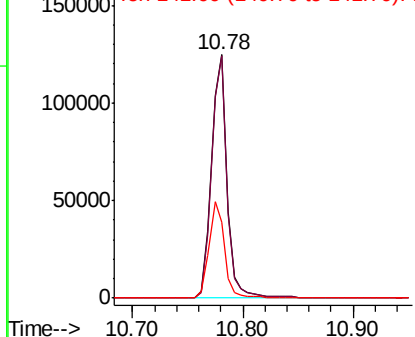


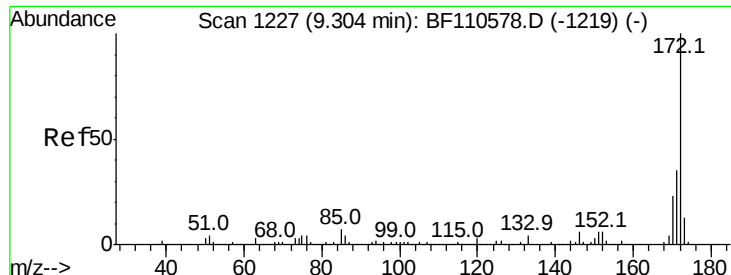
#42
2,4,6-Tribromophenol
Concen: 77.271 ng
RT: 10.78 min Scan# 1478
Delta R.T. -0.01 min
Lab File: BF110642.D
Acq: 9 Nov 2018 22:03

Tgt Ion:330 Resp: 119400
Ion Ratio Lower Upper
330 100
332 97.9 77.1 115.7
141 38.6 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

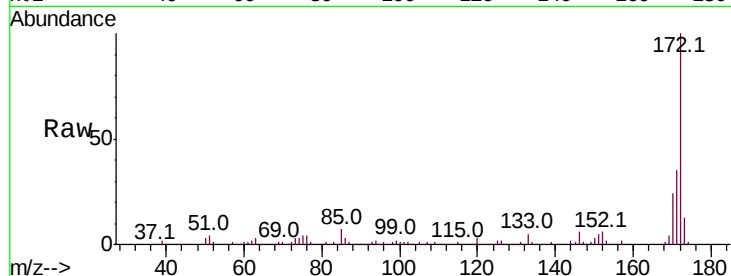




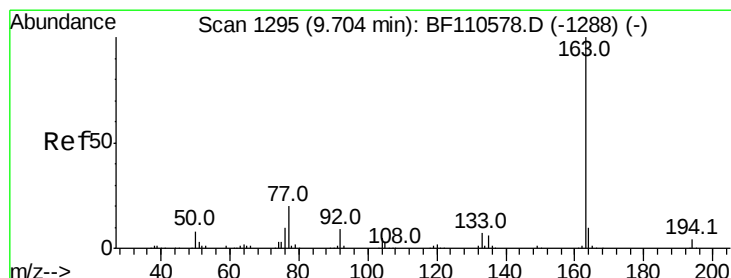
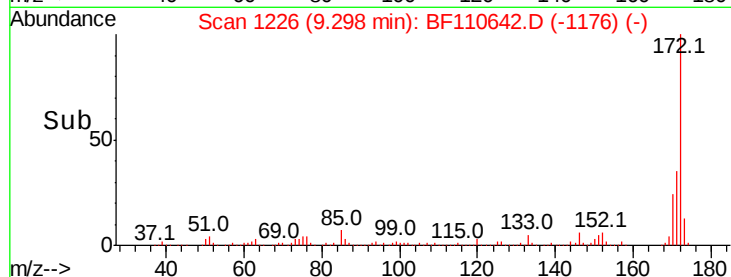
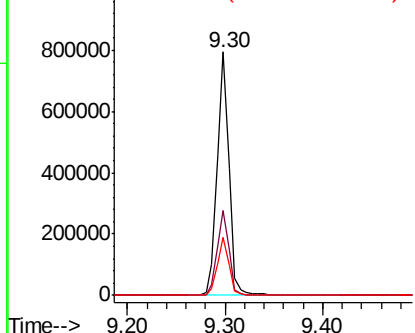
#45
2-Fluorobiphenyl
Concen: 62.612 ng
RT: 9.30 min Scan# 1226
Delta R.T. -0.01 min
Lab File: BF110642.D
Acq: 9 Nov 2018 22:03

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 672300
Ion Ratio Lower Upper
172 100
171 35.1 28.6 43.0
170 23.7 19.7 29.5

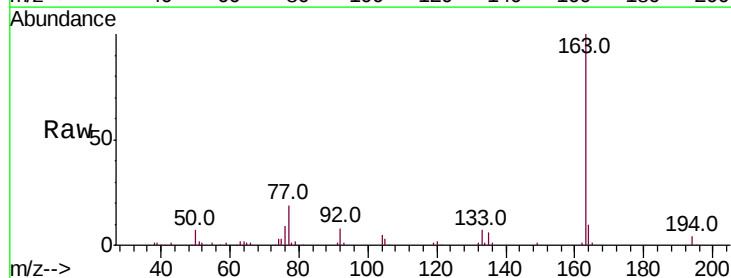


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

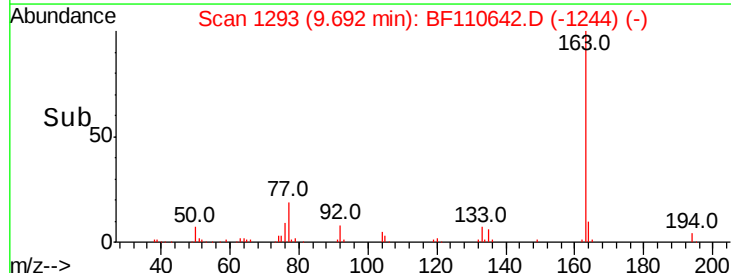
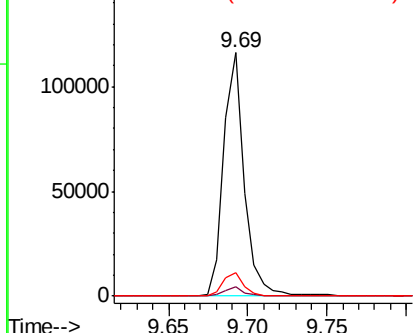


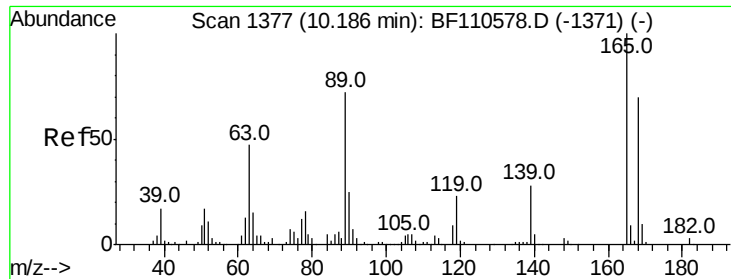
#50
Dimethylphthalate
Concen: 9.178 ng
RT: 9.69 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BF110642.D
Acq: 9 Nov 2018 22:03

Tgt Ion:163 Resp: 105024
Ion Ratio Lower Upper
163 100
194 3.6 3.2 4.8
164 9.8 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

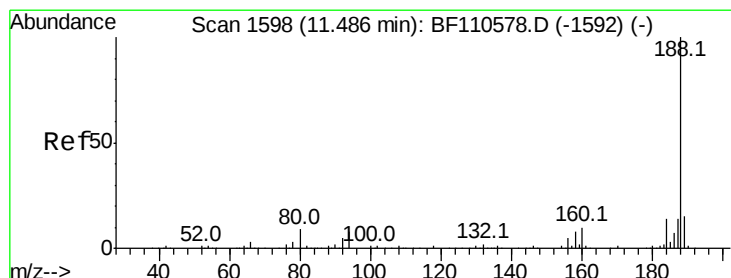
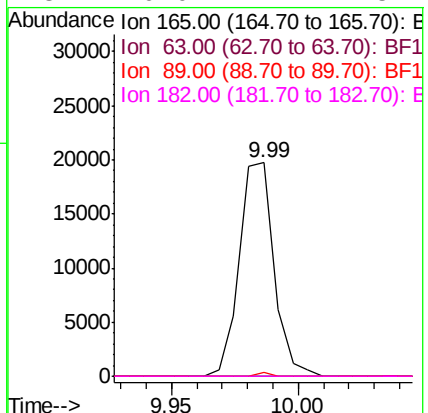
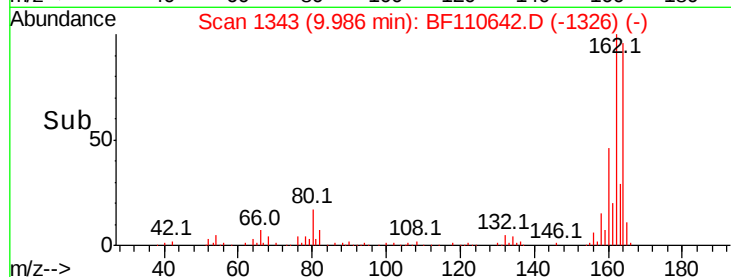
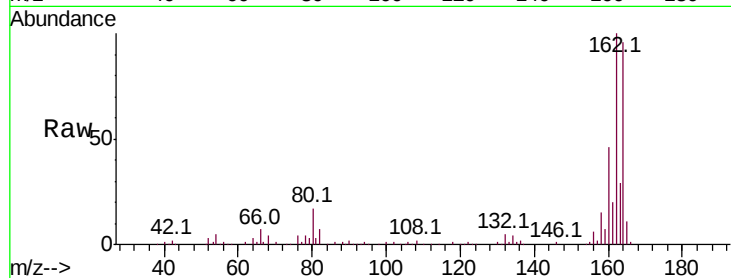




#57
 2,4-Dinitrotoluene
 Concen: 5.733 ng
 RT: 9.99 min Scan# 1343
 Delta R.T. -0.20 min
 Lab File: BF110642.D
 Acq: 9 Nov 2018 22:03

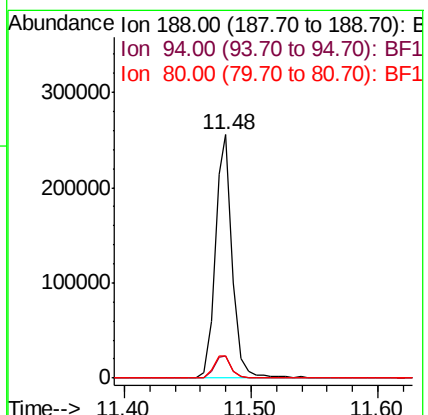
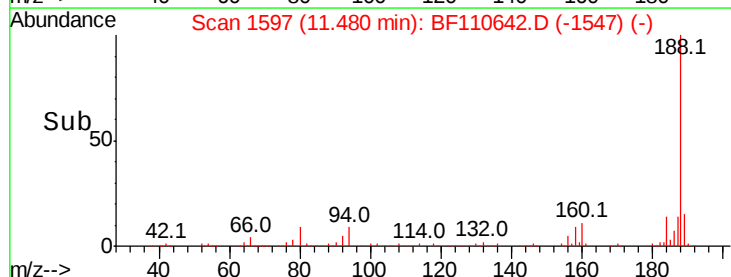
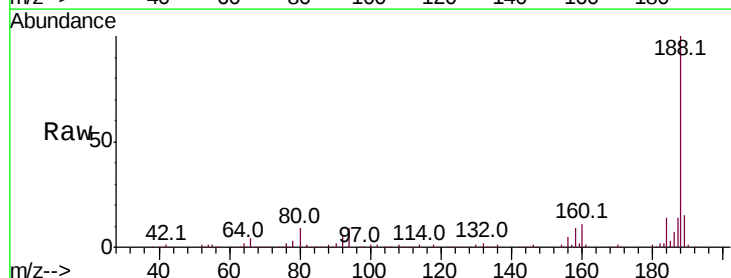
Instrument :
 BNA_F
 ClientSampleId :

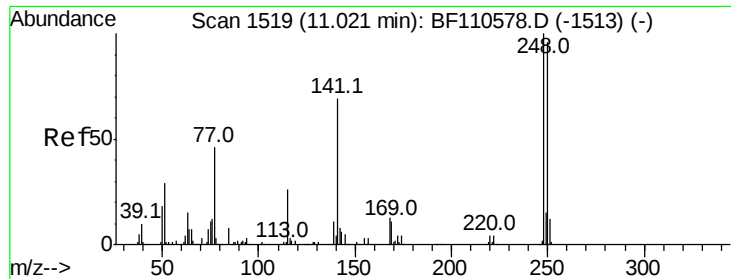
Tot Ion:165	Resp:	18763
Ion Ratio	Lower	Upper
165	100	
63	0.0	44.8 67.2#
89	1.8	62.2 93.4#
182	0.0	2.1 3.1#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.48 min Scan# 1597
 Delta R.T. -0.01 min
 Lab File: BF110642.D
 Acq: 9 Nov 2018 22:03

Tgt Ion:188	Resp:	238809
Ion Ratio	Lower	Upper
188	100	
94	8.9	7.2 10.8
80	9.4	7.9 11.9

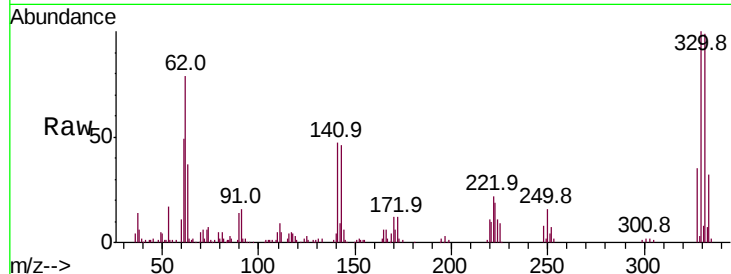




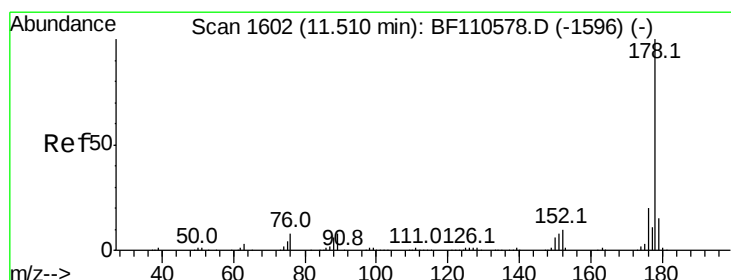
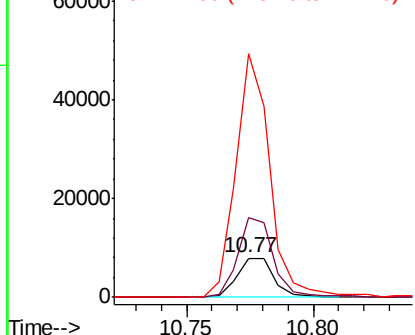
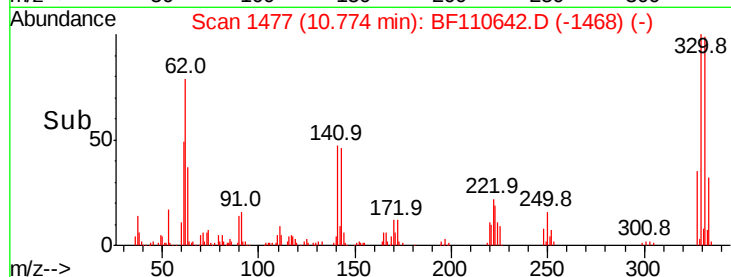
#67
 4-Bromophenyl-phenylether
 Concen: 3.037 ng
 RT: 10.77 min Scan# 1477
 Delta R.T. -0.25 min
 Lab File: BF110642.D
 Acq: 9 Nov 2018 22:03

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 8015
 Ion Ratio Lower Upper
 248 100
 250 204.1 79.4 119.2#
 141 623.9 55.9 83.9#

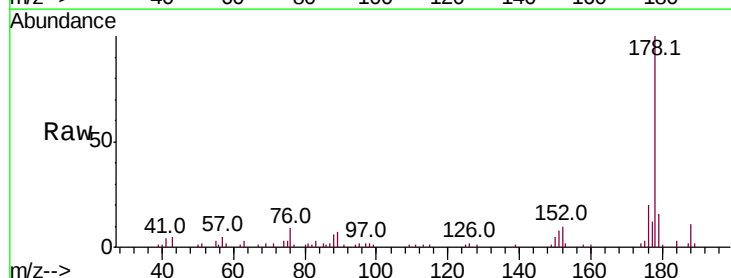


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

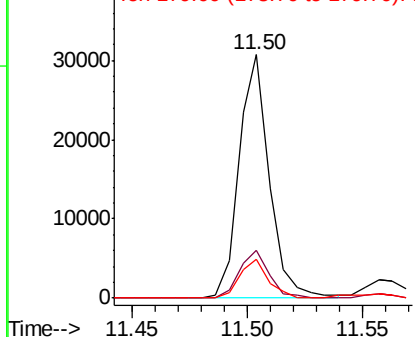
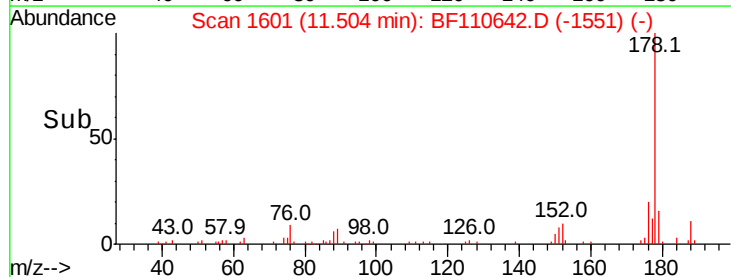


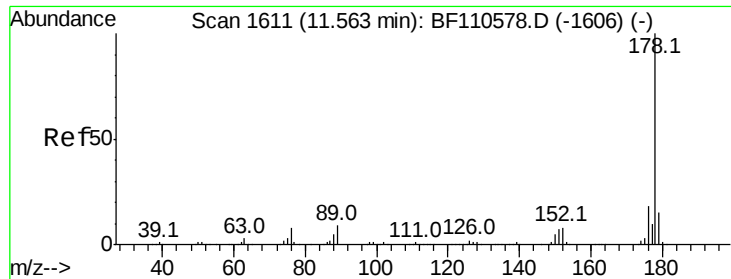
#71
 Phenanthrene
 Concen: 2.202 ng
 RT: 11.50 min Scan# 1601
 Delta R.T. -0.01 min
 Lab File: BF110642.D
 Acq: 9 Nov 2018 22:03

Tgt Ion:178 Resp: 28167
 Ion Ratio Lower Upper
 178 100
 176 19.6 15.5 23.3
 179 16.2 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: 2.182 ng

RT: 11.50 min Scan# 1601

Delta R.T. -0.06 min

Lab File: BF110642.D

Acq: 9 Nov 2018 22:03

Instrument :

BNA_F

ClientSampleId :

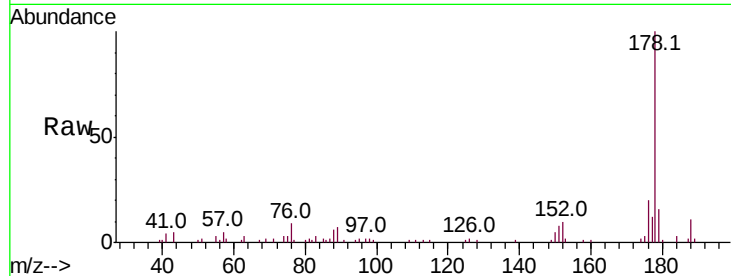
Tot Ion:178 Resp: 28167

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.4	23.2
179	16.2	12.6	18.8

178 100

176 19.6 15.4 23.2

179 16.2 12.6 18.8



Abundance

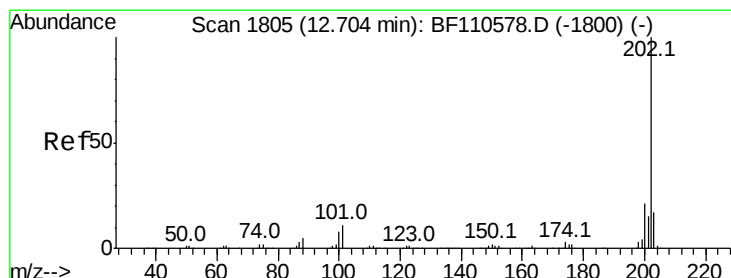
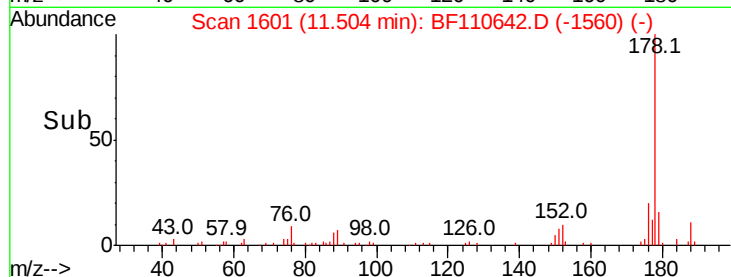
Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

11.50

Time-->



#75

Fluoranthene

Concen: 4.646 ng

RT: 12.70 min Scan# 1804

Delta R.T. -0.01 min

Lab File: BF110642.D

Acq: 9 Nov 2018 22:03

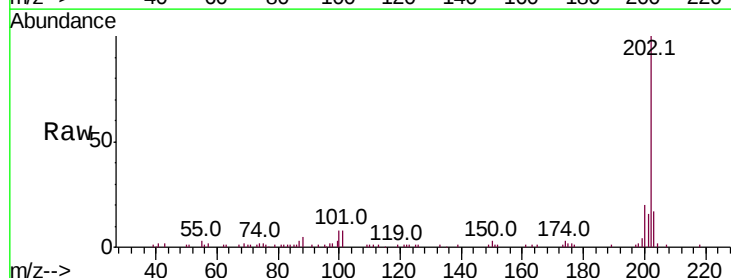
Tgt Ion:202 Resp: 59589

Ion	Ratio	Lower	Upper
202	100		
101	8.4	0.0	31.4
203	17.3	0.0	37.7

202 100

101 8.4 0.0 31.4

203 17.3 0.0 37.7



Abundance

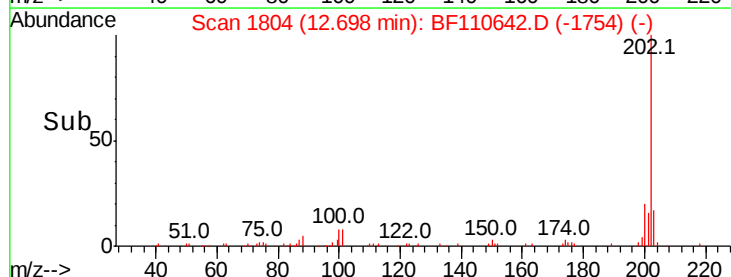
Ion 202.00 (201.70 to 202.70): E

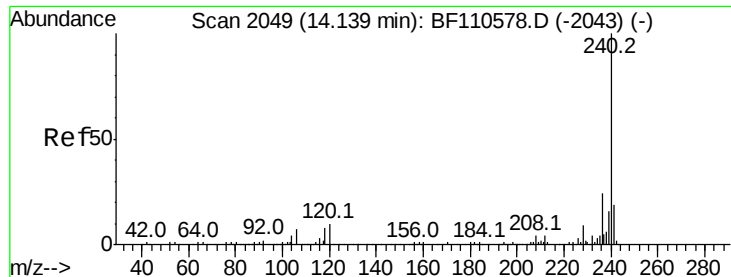
Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

12.70

Time-->





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.13 min Scan# 2047

Delta R.T. -0.01 min

Lab File: BF110642.D

Acq: 9 Nov 2018 22:03

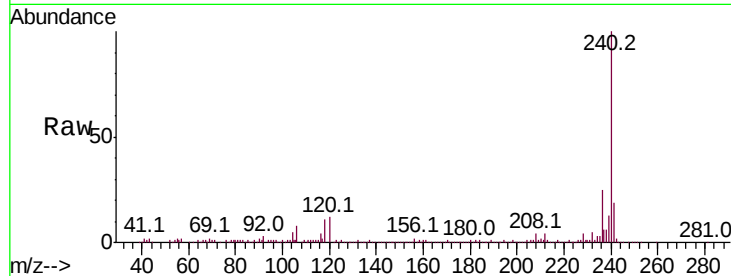
Instrument :

BNA_F

ClientSampled :

Tot Ion:240 Resp: 163216

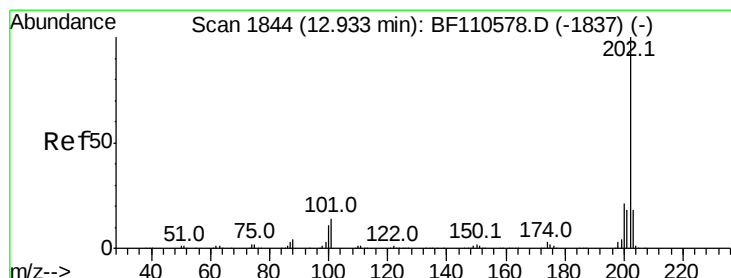
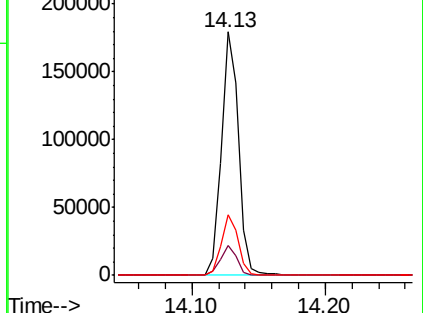
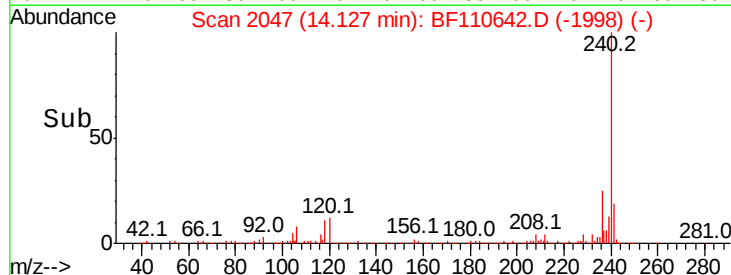
Ion	Ratio	Lower	Upper
240	100		
120	12.1	8.3	12.5
236	25.1	21.2	31.8



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: 3.994 ng

RT: 12.93 min Scan# 1843

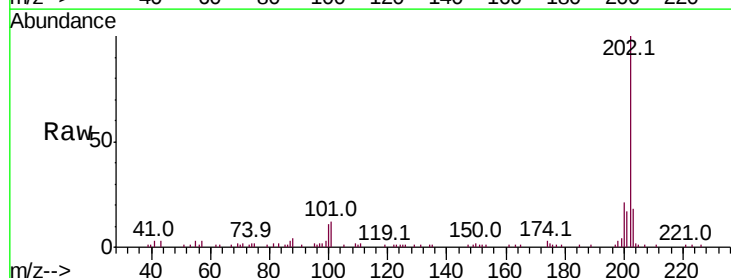
Delta R.T. -0.01 min

Lab File: BF110642.D

Acq: 9 Nov 2018 22:03

Tgt Ion:202 Resp: 50192

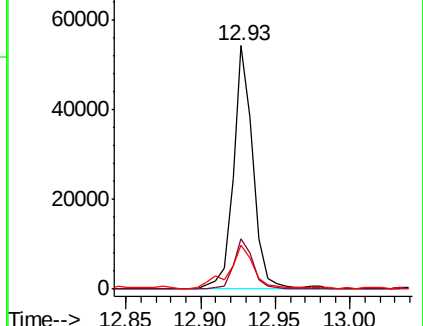
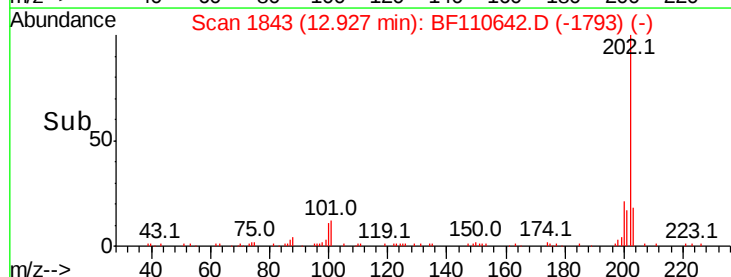
Ion	Ratio	Lower	Upper
202	100		
200	20.6	17.8	26.6
203	17.9	14.2	21.4

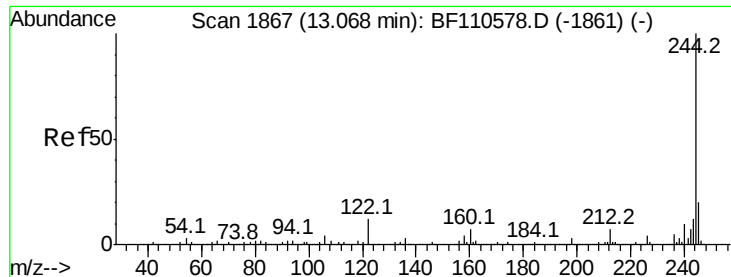


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

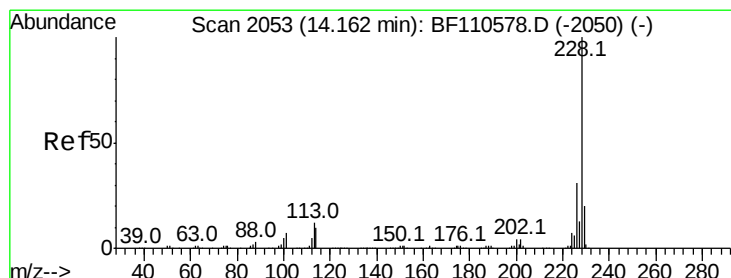
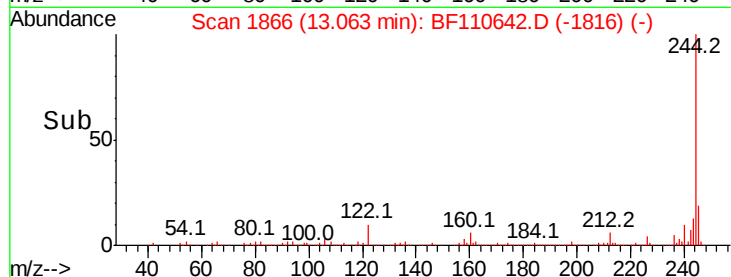
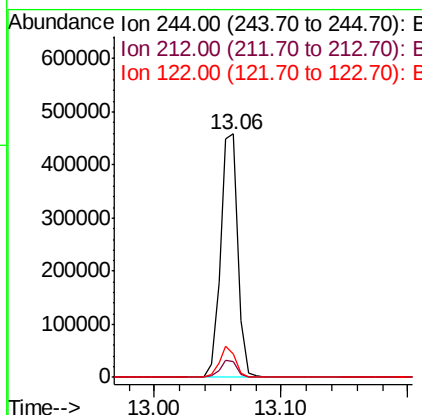
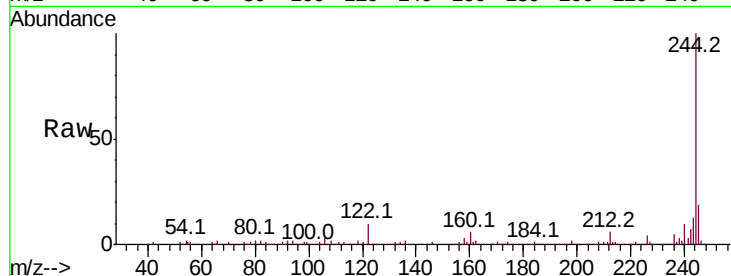




#79
 Terphenyl-d14
 Concen: 50.129 ng
 RT: 13.06 min Scan# 1866
 Delta R.T. -0.01 min
 Lab File: BF110642.D
 Acq: 9 Nov 2018 22:03

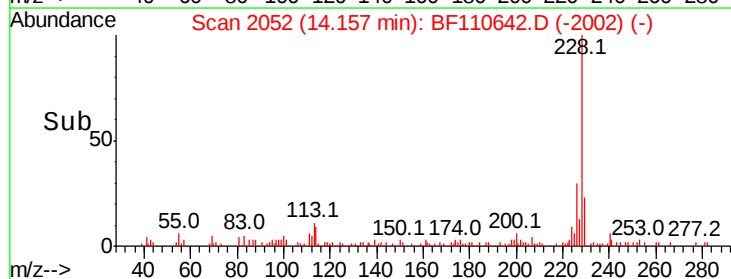
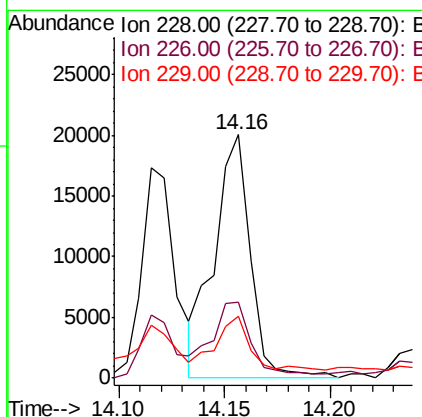
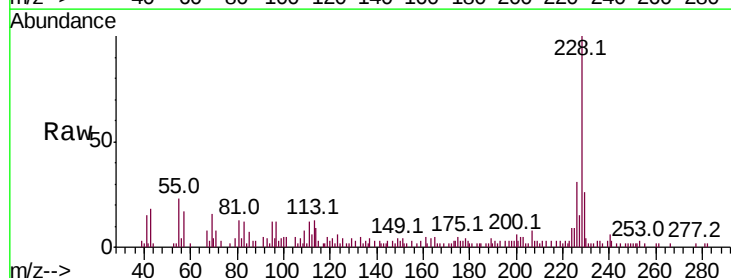
Instrument :
 BNA_F
 ClientSampleId :

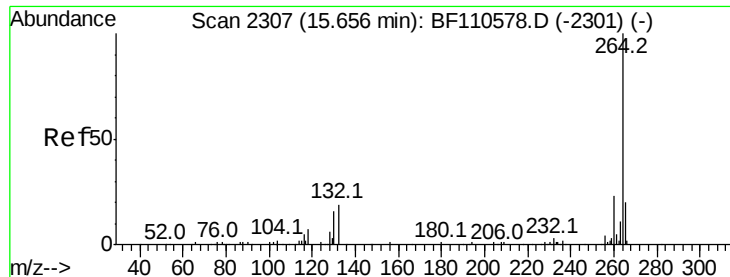
Tot Ion:244 Resp: 436884
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.8 8.8
 122 9.7 8.7 13.1



#83
 Chrysene
 Concen: 2.573 ng
 RT: 14.16 min Scan# 2052
 Delta R.T. -0.01 min
 Lab File: BF110642.D
 Acq: 9 Nov 2018 22:03

Tgt Ion:228 Resp: 23910
 Ion Ratio Lower Upper
 228 100
 226 31.4 24.7 37.1
 229 25.6 15.9 23.9#



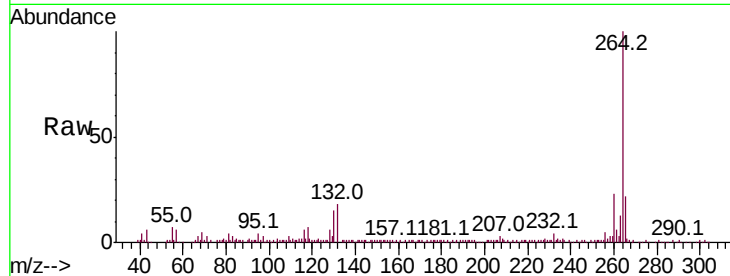


#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.66 min Scan# 2307
Delta R.T. 0.00 min
Lab File: BF110642.D
Acq: 9 Nov 2018 22:03

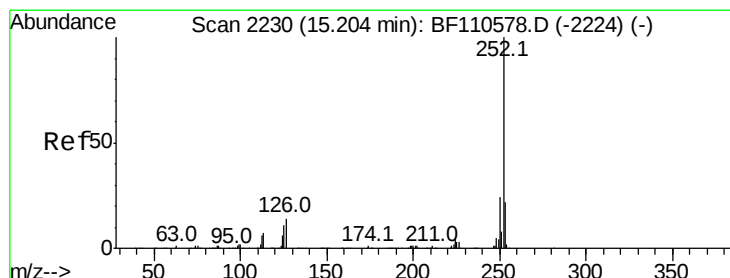
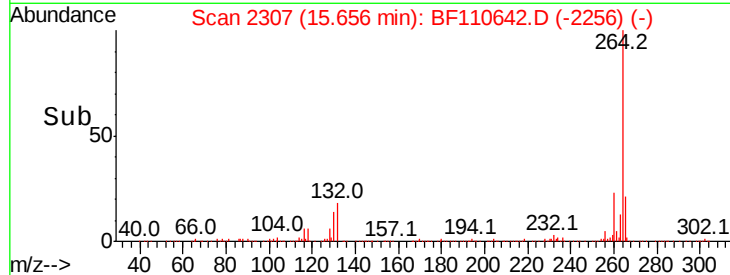
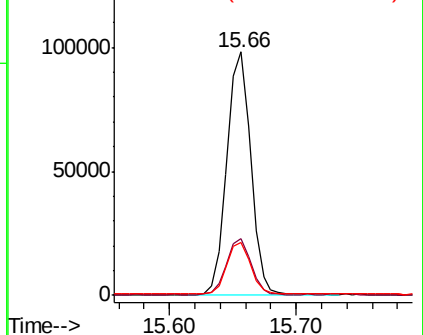
Instrument :
BNA_F
ClientSampled :

Tot Ion:264 Resp: 129982

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.7	28.1
265	21.8	16.7	25.1



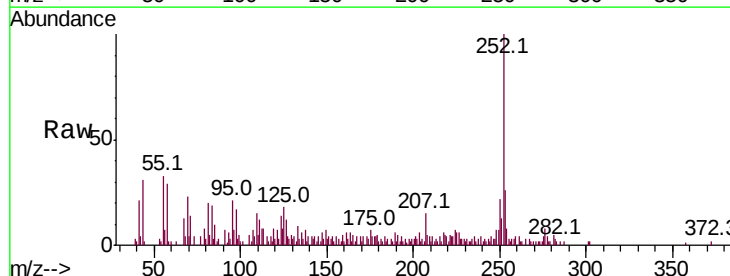
Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



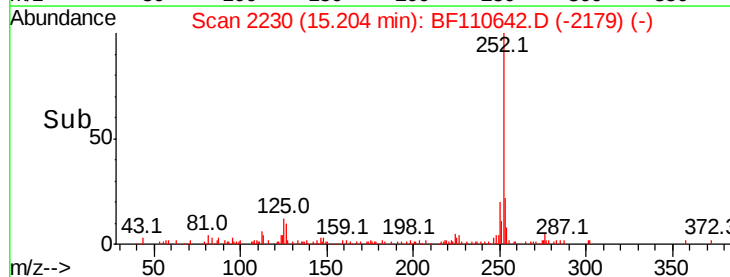
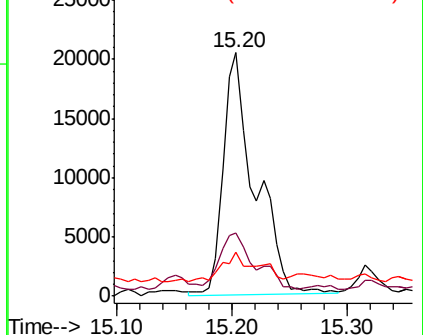
#88
Benzo(b)fluoranthene
Concen: 5.008 ng
RT: 15.20 min Scan# 2230
Delta R.T. 0.00 min
Lab File: BF110642.D
Acq: 9 Nov 2018 22:03

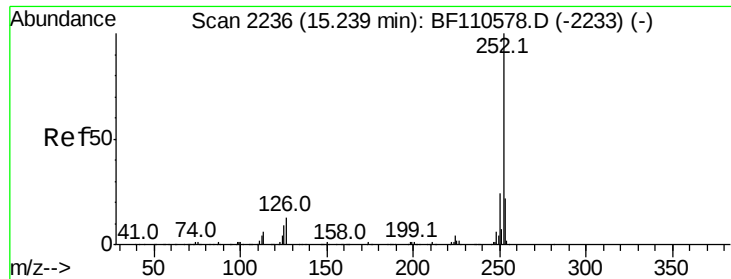
Tgt Ion:252 Resp: 38943

Ion	Ratio	Lower	Upper
252	100		
253	26.0	17.2	25.8#
125	17.9	8.2	12.4#



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





#89

Benzo(k)fluoranthene

Concen: 5.068 ng

RT: 15.20 min Scan# 2230

Delta R.T. -0.04 min

Lab File: BF110642.D

Acq: 9 Nov 2018 22:03

Instrument :

BNA_F

ClientSampled :

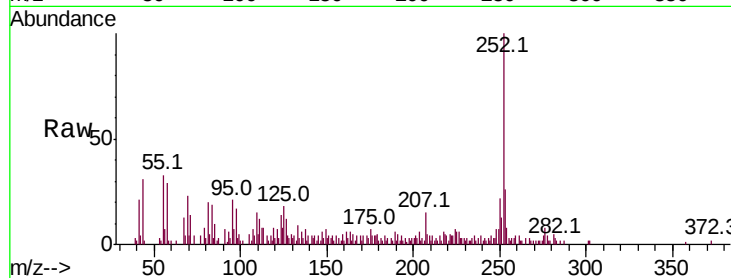
Tot Ion:252 Resp: 38943

Ion Ratio Lower Upper

252 100

253 26.0 17.2 25.8#

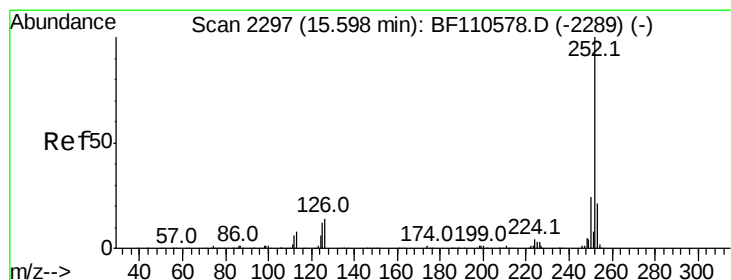
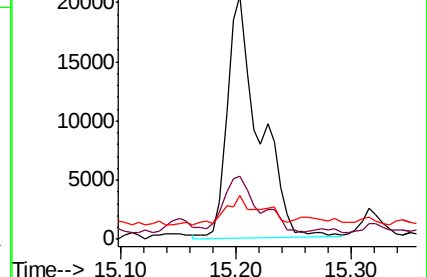
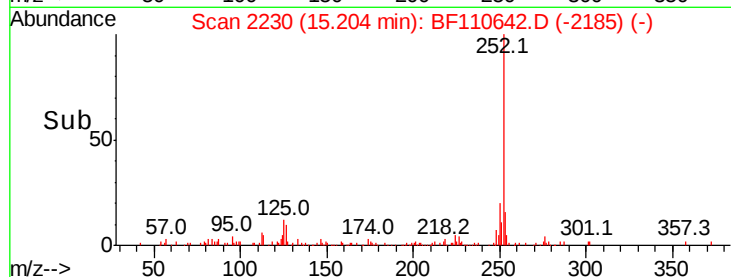
125 17.9 7.4 11.0#



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: 2.369 ng

RT: 15.59 min Scan# 2296

Delta R.T. -0.01 min

Lab File: BF110642.D

Acq: 9 Nov 2018 22:03

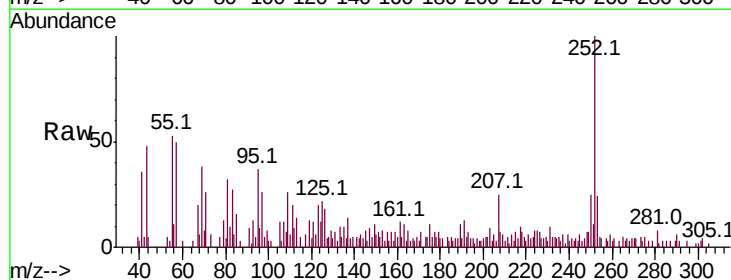
Tgt Ion:252 Resp: 16740

Ion Ratio Lower Upper

252 100

253 24.2 18.2 27.4

125 21.9 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

