

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100818\
 Data File : BF109683.D
 Acq On : 9 Oct 2018 8:24
 Operator : JU/SJ
 Sample : J5309-08
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 09 10:56:38 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF100818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 08 16:02:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	103740	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	394008	20.00	ng	0.00
38) Acenaphthene-d10	9.72	164	156554	20.00	ng	0.00
63) Phenanthrene-d10	11.20	188	264238	20.00	ng	0.00
75) Chrysene-d12	13.83	240	226002	20.00	ng	0.00
86) Perylene-d12	15.23	264	179864	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.33	112	580927	99.40	ng	0.00
7) Phenol-d6	6.35	99	801846	102.70	ng	0.00
23) Nitrobenzene-d5	7.26	82	514458	71.97	ng	0.00
41) 2,4,6-Tribromophenol	10.51	330	151680	88.92	ng	0.00
44) 2-Fluorobiphenyl	9.05	172	868280	76.39	ng	0.00
78) Terphenyl-d14	12.78	244	686475	58.80	ng	0.00

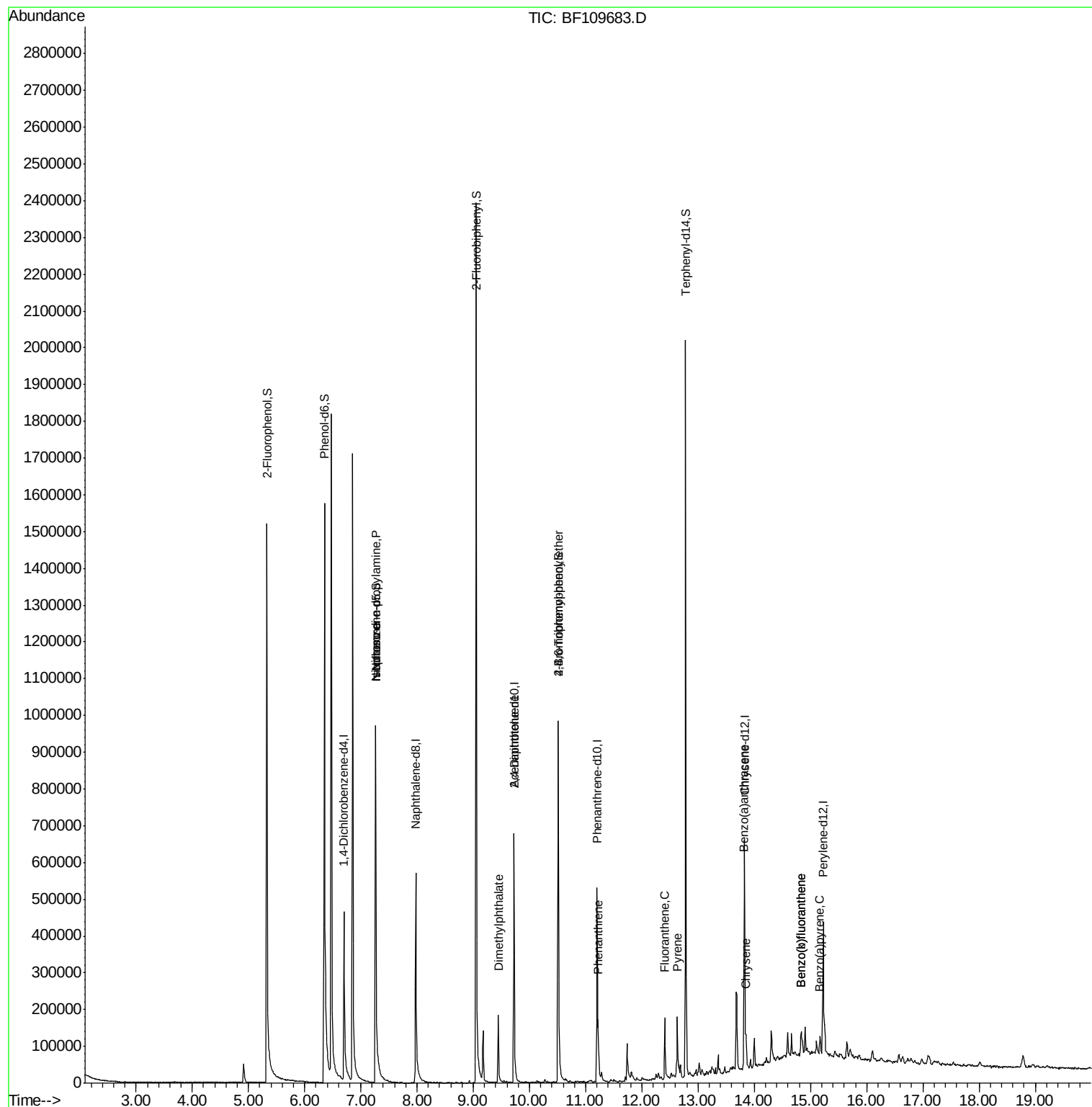
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.26	70	68005	12.421	ng	# 75
25) Isophorone	7.26	82	514455	43.343	ng	# 67
49) Dimethylphthalate	9.45	163	96080	8.368	ng	99
56) 2,4-Dinitrotoluene	9.72	165	19501	6.279	ng	# 19
66) 4-Bromophenyl-phenylether	10.51	248	9148	3.013	ng	# 1
70) Phenanthrene	11.23	178	63121	4.773	ng	99
74) Fluoranthene	12.41	202	90867	6.578	ng	98
77) Pyrene	12.63	202	81661	4.932	ng	98
80) Benzo(a)anthracene	13.82	228	37210	2.984	ng	95
82) Chrysene	13.85	228	34226	2.613	ng	98
87) Benzo(b)fluoranthene	14.83	252	47246	4.753	ng	# 92
88) Benzo(k)fluoranthene	14.83	252	47246	4.731	ng	# 91
89) Benzo(a)pyrene	15.17	252	25737	2.853	ng	# 93

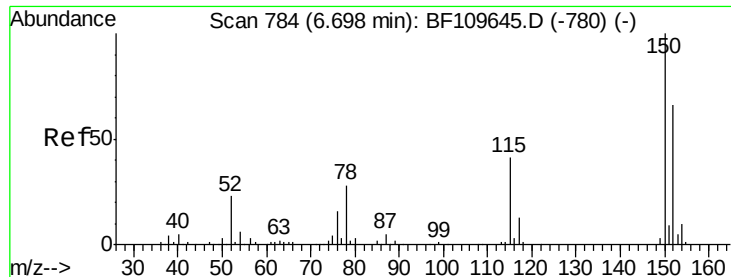
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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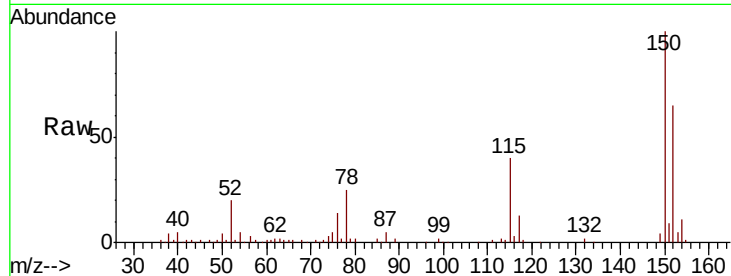


#1

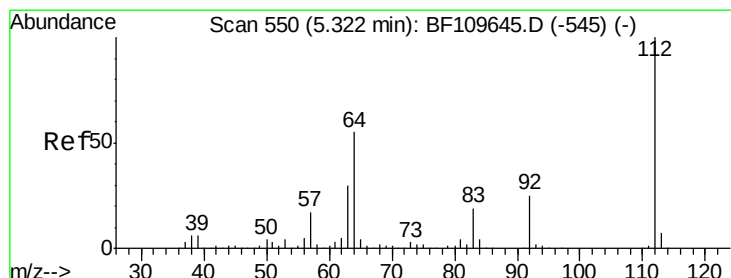
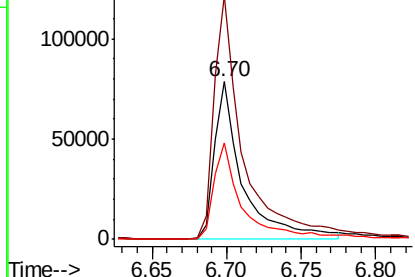
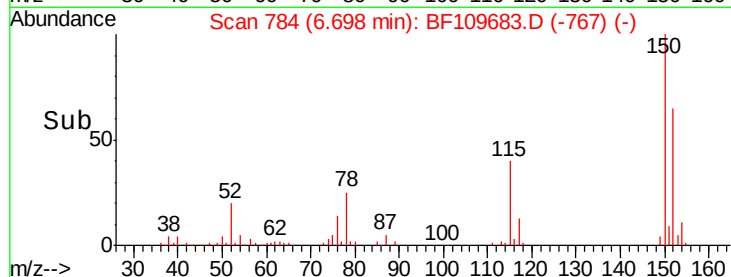
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 784
Delta R.T. -0.00 min
Lab File: BF109683.D
Acq: 9 Oct 2018 8:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 103740
Ion Ratio Lower Upper
152 100
150 154.7 122.7 184.1
115 61.4 49.1 73.7



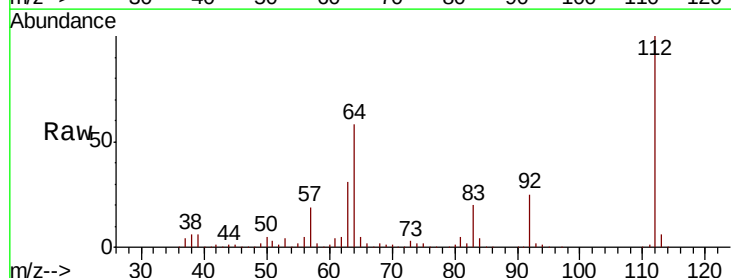
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



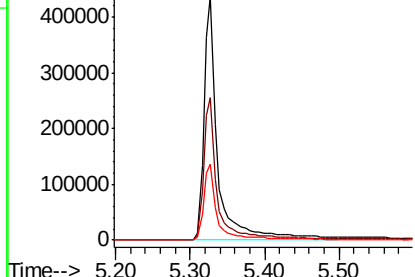
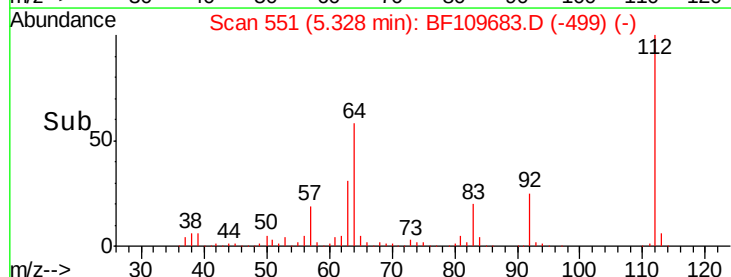
#5

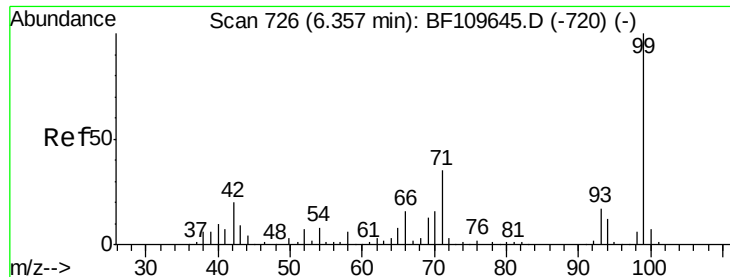
2-Fluorophenol
Concen: 99.399 ng
RT: 5.33 min Scan# 551
Delta R.T. 0.01 min
Lab File: BF109683.D
Acq: 9 Oct 2018 8:24

Tgt Ion:112 Resp: 580927
Ion Ratio Lower Upper
112 100
64 58.4 44.1 66.1
63 31.0 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: 102.702 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF109683.D

Acq: 9 Oct 2018 8:24

Instrument :

BNA_F

ClientSampled :

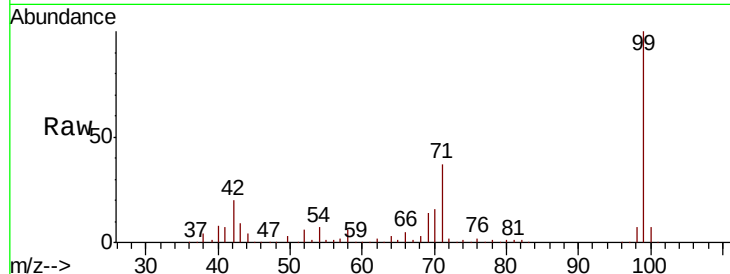
Tot Ion: 99 Resp: 801846

Ion Ratio Lower Upper

99 100

42 20.0 15.8 23.6

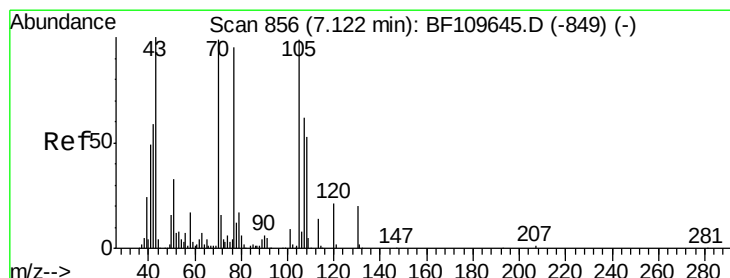
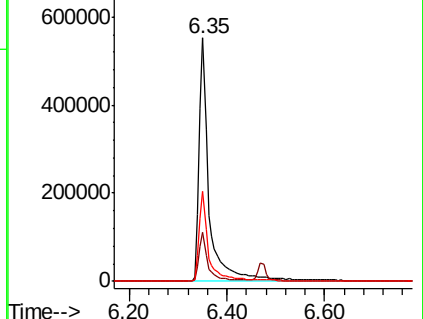
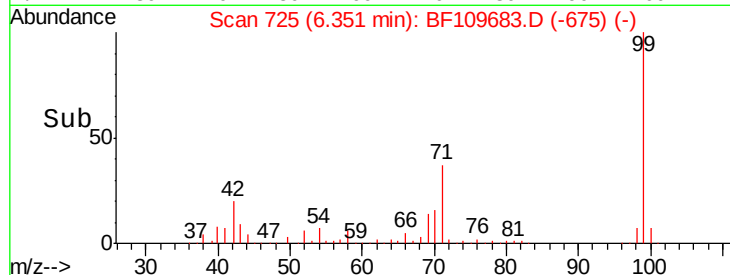
71 37.0 28.0 42.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 12.421 ng

RT: 7.26 min Scan# 880

Delta R.T. 0.14 min

Lab File: BF109683.D

Acq: 9 Oct 2018 8:24

Tgt Ion: 70 Resp: 68005

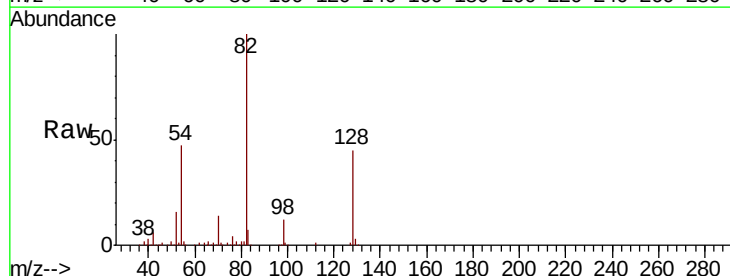
Ion Ratio Lower Upper

70 100

42 43.9 47.4 71.2#

101 0.0 7.3 10.9#

130 1.9 16.2 24.2#

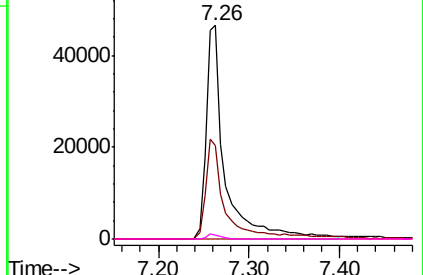
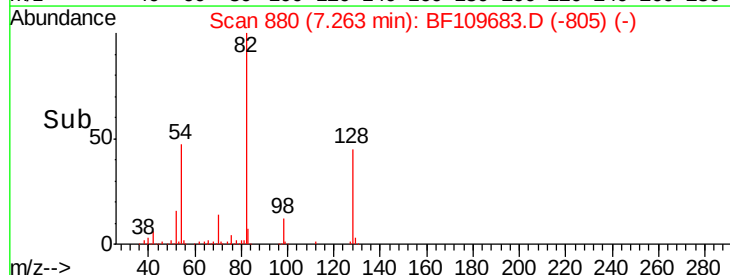


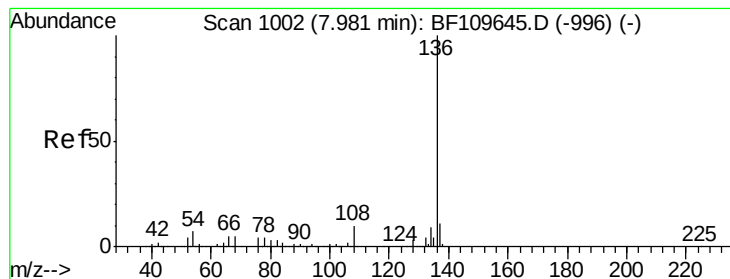
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.97 min Scan# 1001

Delta R.T. -0.01 min

Lab File: BF109683.D

Acq: 9 Oct 2018 8:24

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 394008

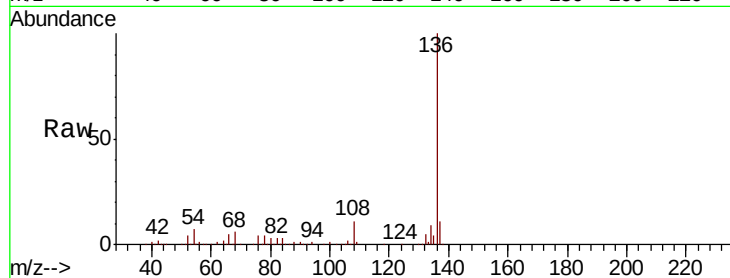
Ion Ratio Lower Upper

136 100

137 10.9 8.8 13.2

54 6.8 5.4 8.2

68 5.5 4.2 6.2

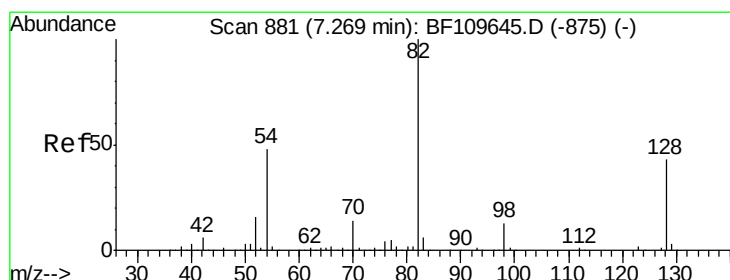
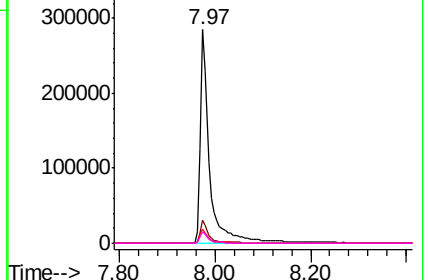
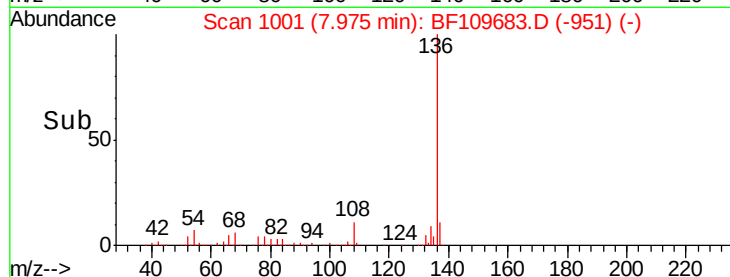


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 71.975 ng

RT: 7.26 min Scan# 880

Delta R.T. -0.01 min

Lab File: BF109683.D

Acq: 9 Oct 2018 8:24

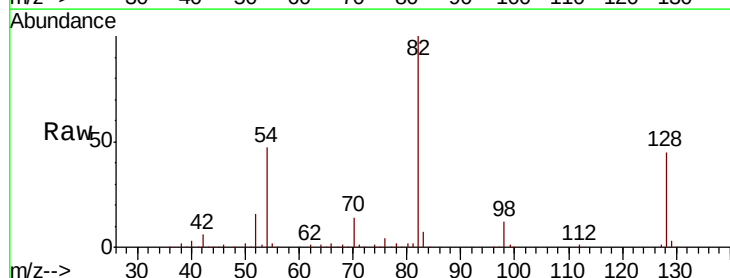
Tgt Ion: 82 Resp: 514458

Ion Ratio Lower Upper

82 100

128 44.6 34.2 51.2

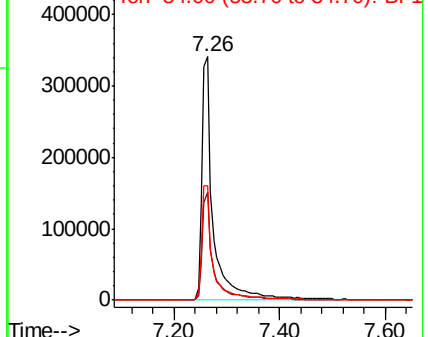
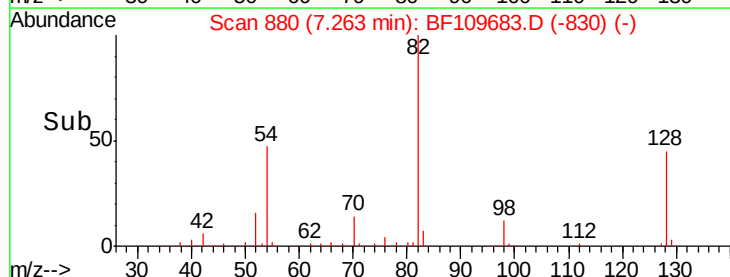
54 46.8 38.6 58.0

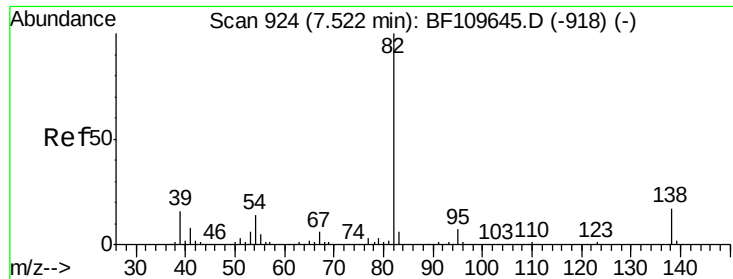


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

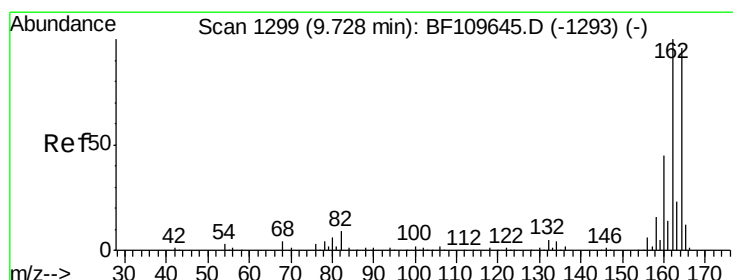
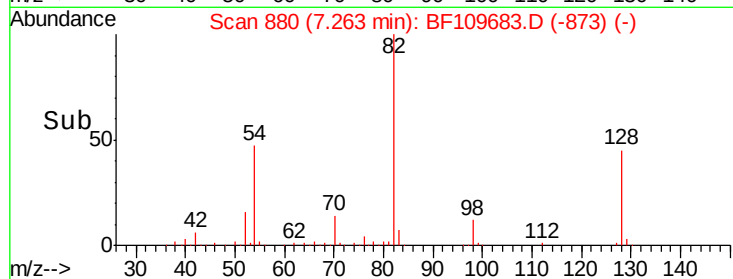
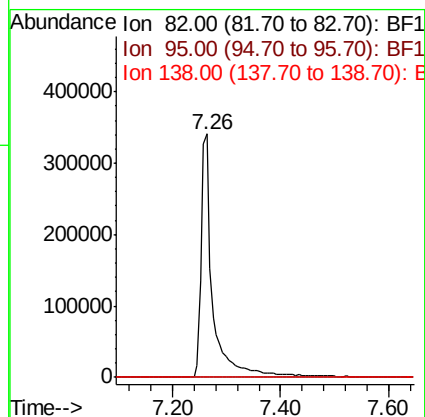
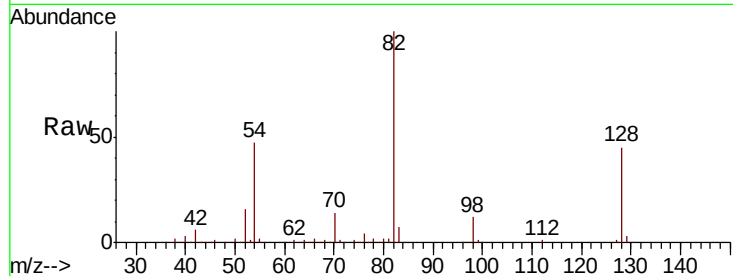




#25
Isophorone
Concen: 43.343 ng
RT: 7.26 min Scan# 880
Delta R.T. -0.26 min
Lab File: BF109683.D
Acq: 9 Oct 2018 8:24

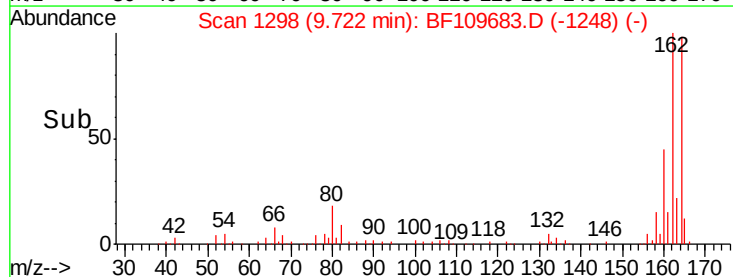
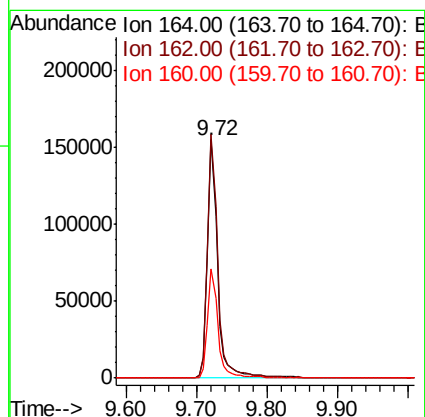
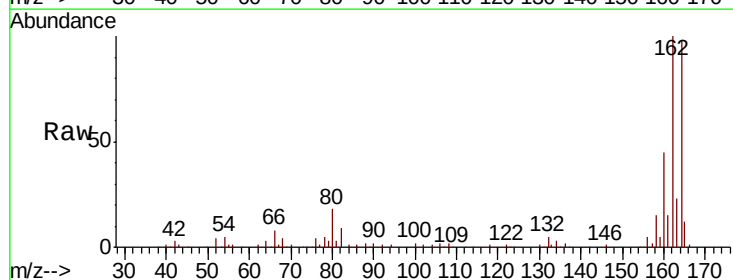
Instrument :
BNA_F
ClientSampled :

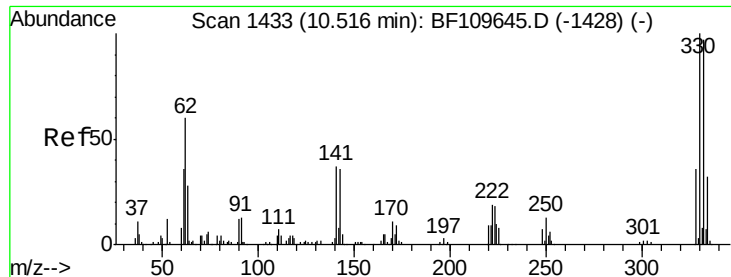
Tot Ion: 82 Resp: 514455
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 13.2 19.8#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.72 min Scan# 1298
Delta R.T. -0.01 min
Lab File: BF109683.D
Acq: 9 Oct 2018 8:24

Tgt Ion:164 Resp: 156554
Ion Ratio Lower Upper
164 100
162 102.3 83.0 124.6
160 45.8 37.0 55.6





#41

2,4,6-Tribromophenol

Concen: 88.919 ng

RT: 10.51 min Scan# 1432

Delta R.T. -0.01 min

Lab File: BF109683.D

Acq: 9 Oct 2018 8:24

Instrument :

BNA_F

ClientSampleId :

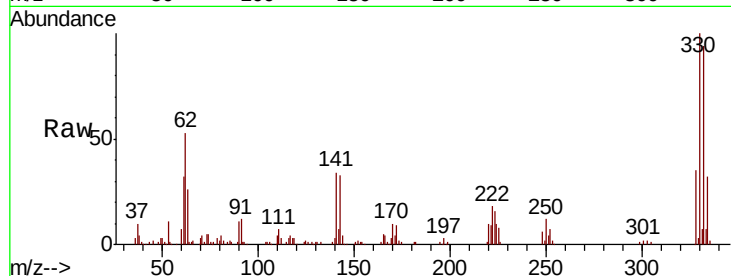
Tot Ion:330 Resp: 151680

Ion Ratio Lower Upper

330 100

332 95.1 77.1 115.7

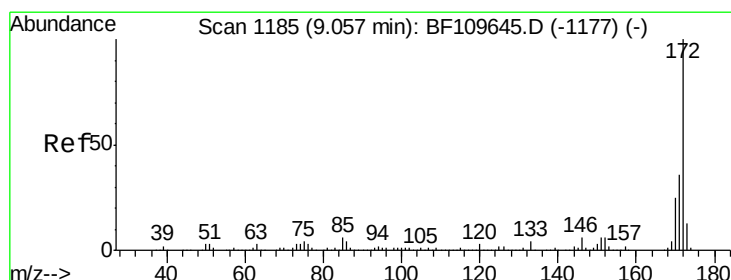
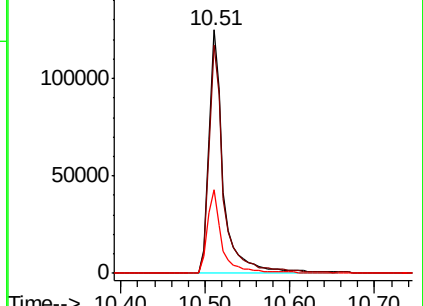
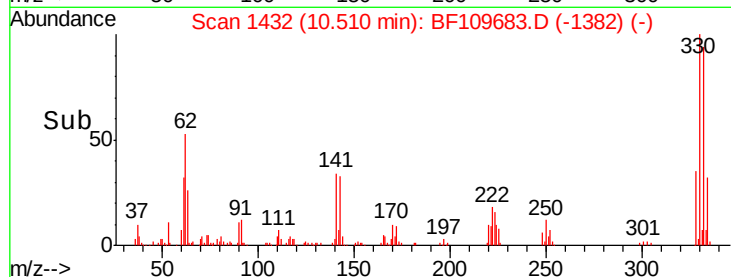
141 34.2 27.0 40.4



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



#44

2-Fluorobiphenyl

Concen: 76.385 ng

RT: 9.05 min Scan# 1184

Delta R.T. -0.01 min

Lab File: BF109683.D

Acq: 9 Oct 2018 8:24

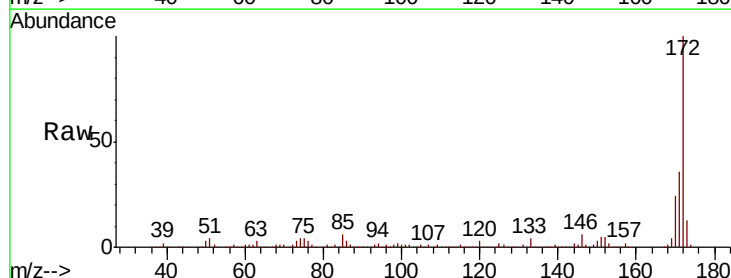
Tgt Ion:172 Resp: 868280

Ion Ratio Lower Upper

172 100

171 36.3 28.6 43.0

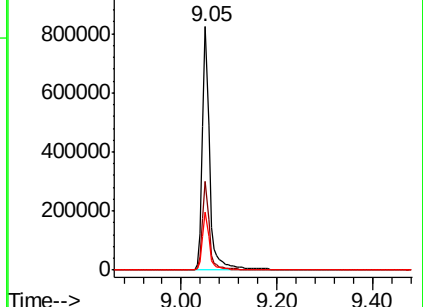
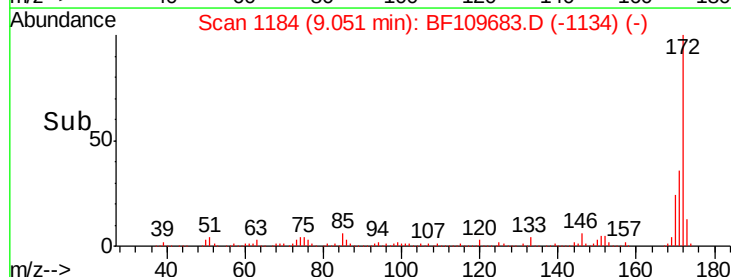
170 23.7 19.7 29.5

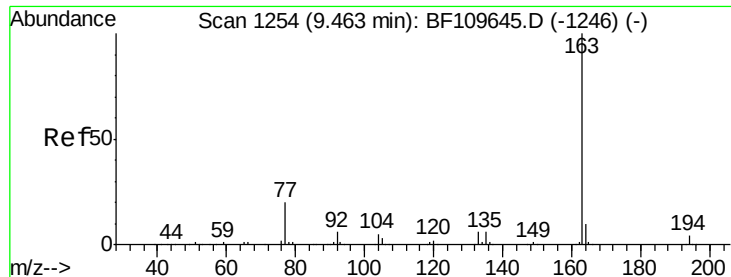


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

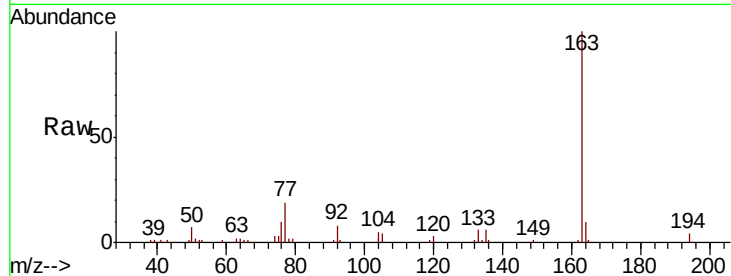




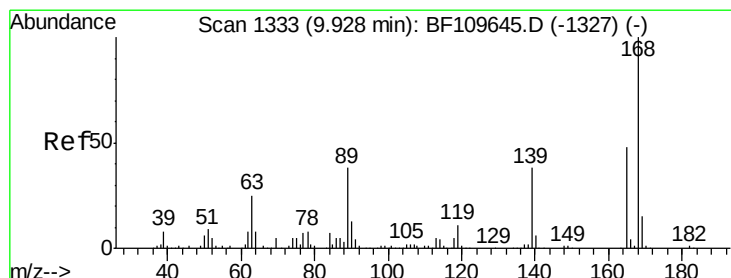
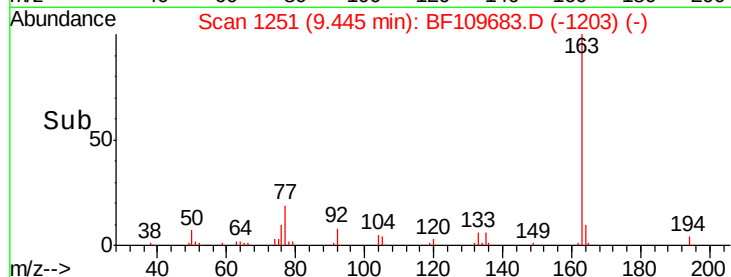
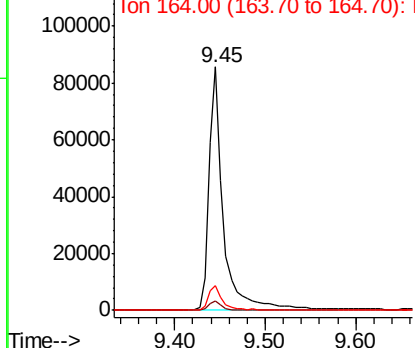
#49
Dimethylphthalate
Concen: 8.368 ng
RT: 9.45 min Scan# 1251
Delta R.T. -0.02 min
Lab File: BF109683.D
Acq: 9 Oct 2018 8:24

Instrument :
BNA_F
ClientSampled :

Tot Ion:163 Resp: 96080
Ion Ratio Lower Upper
163 100
194 3.7 3.2 4.8
164 10.4 8.1 12.1

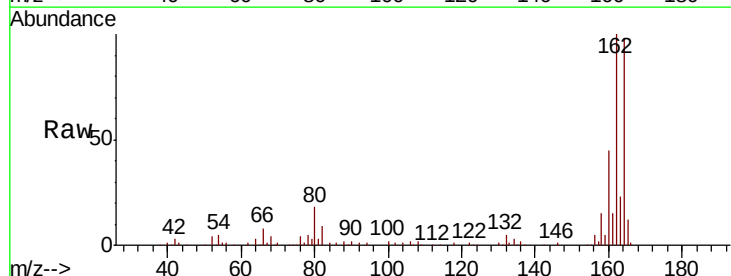


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

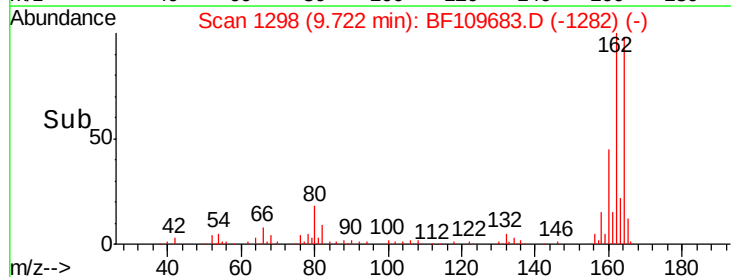
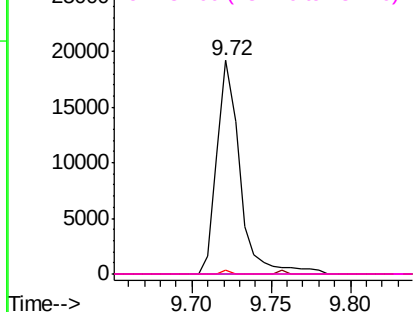


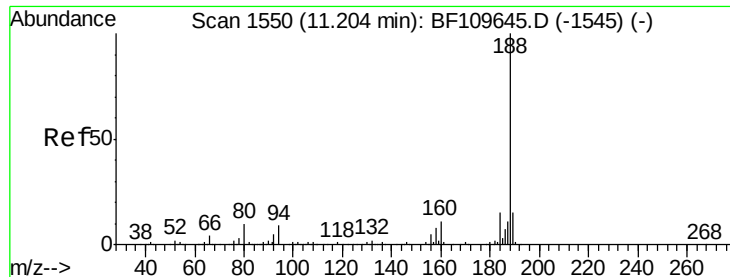
#56
2,4-Dinitrotoluene
Concen: 6.279 ng
RT: 9.72 min Scan# 1298
Delta R.T. -0.21 min
Lab File: BF109683.D
Acq: 9 Oct 2018 8:24

Tgt Ion:165 Resp: 19501
Ion Ratio Lower Upper
165 100
63 0.0 44.8 67.2#
89 1.9 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

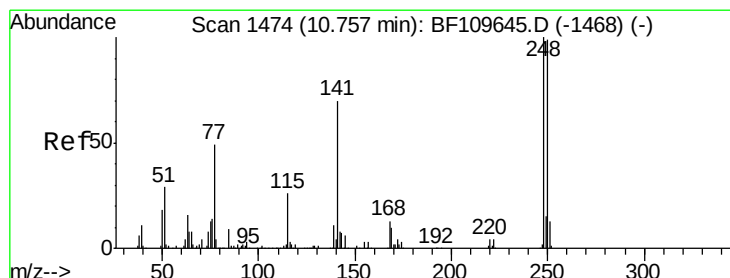
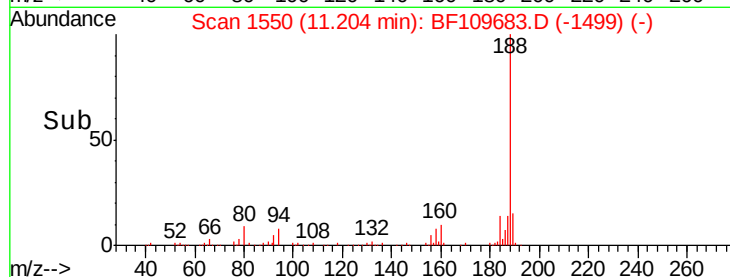
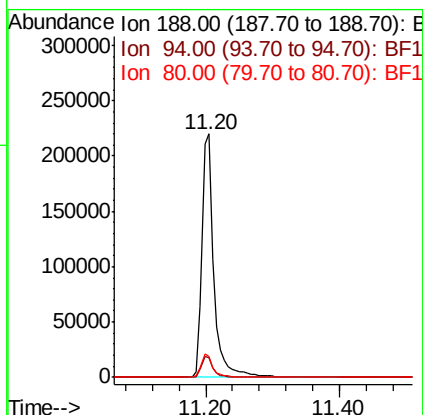
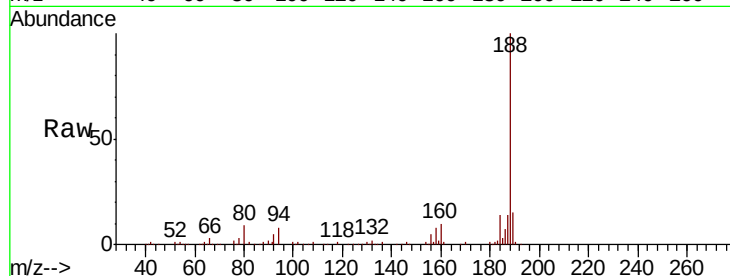




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.20 min Scan# 1550
Delta R.T. -0.00 min
Lab File: BF109683.D
Acq: 9 Oct 2018 8:24

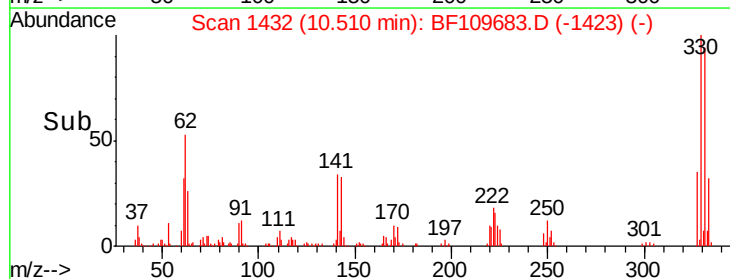
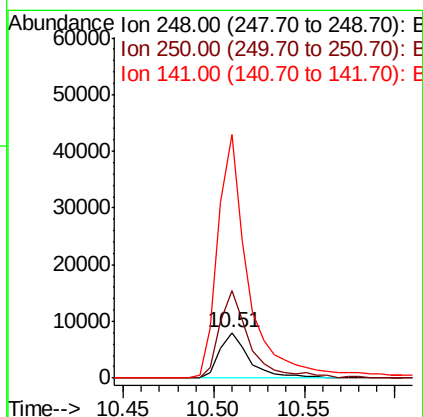
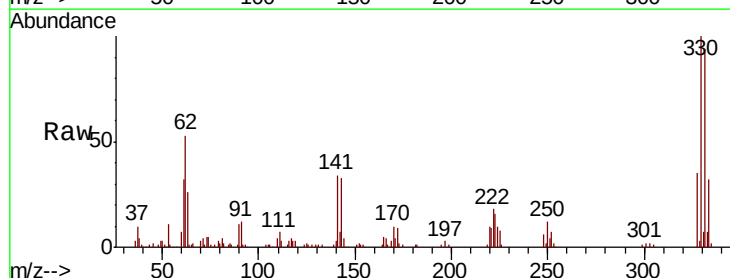
Instrument :
BNA_F
ClientSampled :

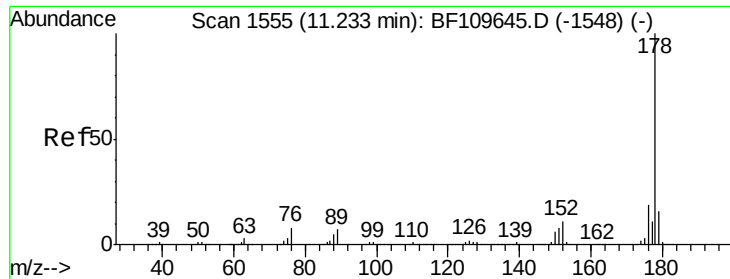
Tot Ion:188 Resp: 264238
Ion Ratio Lower Upper
188 100
94 8.1 7.2 10.8
80 8.8 7.9 11.9



#66
4-Bromophenyl-phenylether
Concen: 3.013 ng
RT: 10.51 min Scan# 1432
Delta R.T. -0.25 min
Lab File: BF109683.D
Acq: 9 Oct 2018 8:24

Tgt Ion:248 Resp: 9148
Ion Ratio Lower Upper
248 100
250 192.7 79.4 119.2#
141 537.4 55.9 83.9#

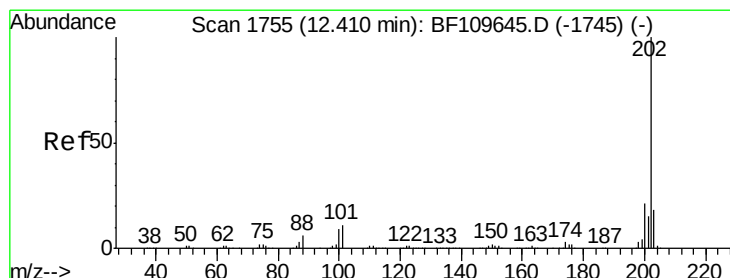
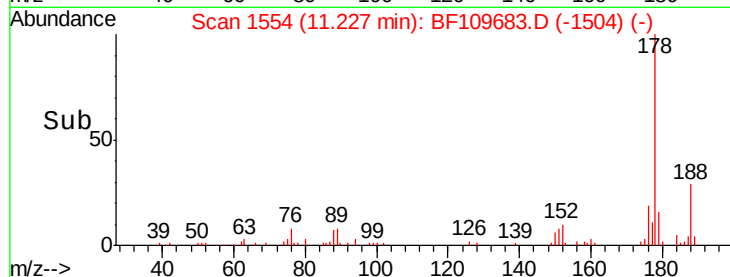
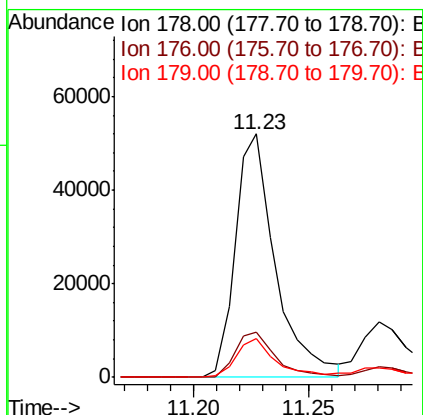
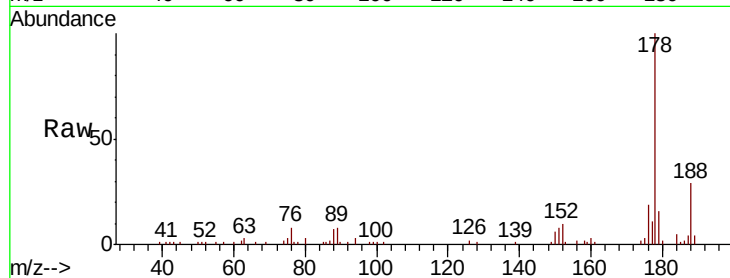




#70
Phenanthrene
Concen: 4.773 ng
RT: 11.23 min Scan# 1554
Delta R.T. -0.01 min
Lab File: BF109683.D
Acq: 9 Oct 2018 8:24

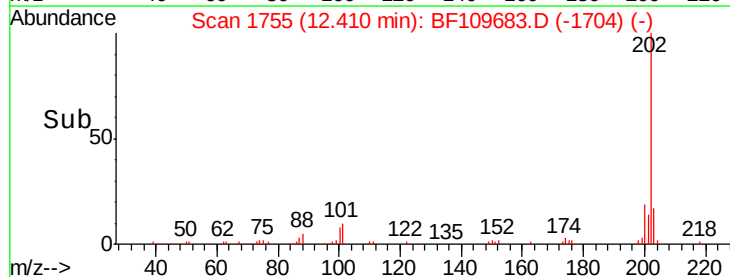
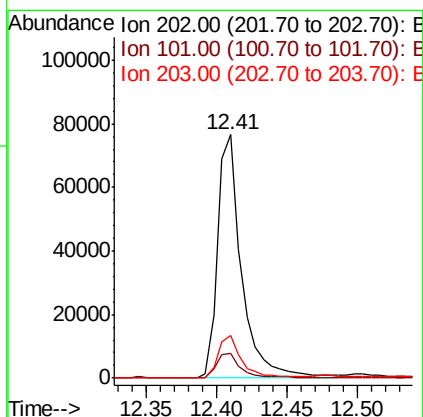
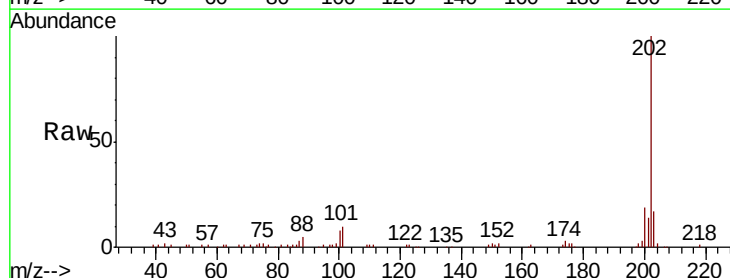
Instrument :
BNA_F
ClientSampleId :

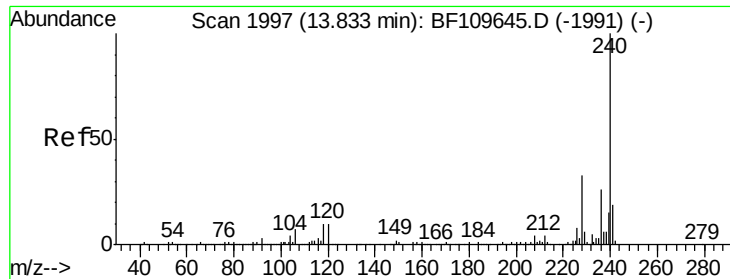
Tot Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.5	23.3
179	15.8	12.5	18.7



#74
Fluoranthene
Concen: 6.578 ng
RT: 12.41 min Scan# 1755
Delta R.T. -0.00 min
Lab File: BF109683.D
Acq: 9 Oct 2018 8:24

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.1	0.0	31.4
203	17.4	0.0	37.7

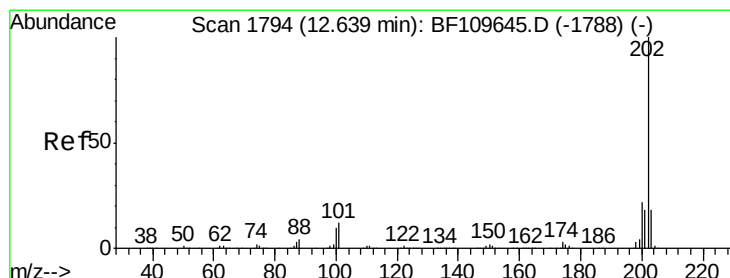
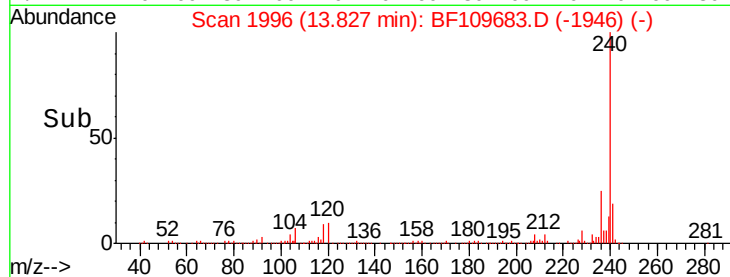
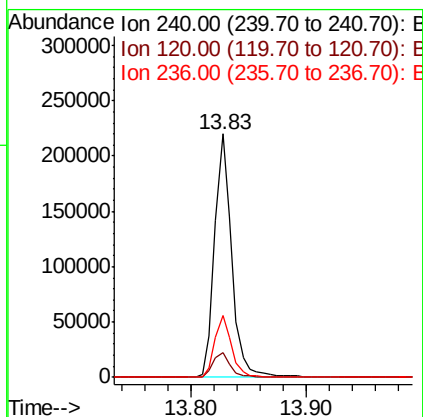
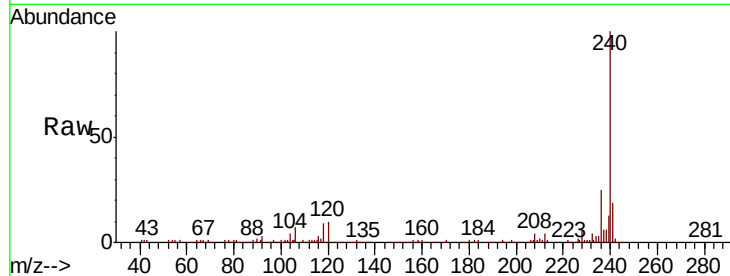




#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.83 min Scan# 1996
Delta R.T. -0.01 min
Lab File: BF109683.D
Acq: 9 Oct 2018 8:24

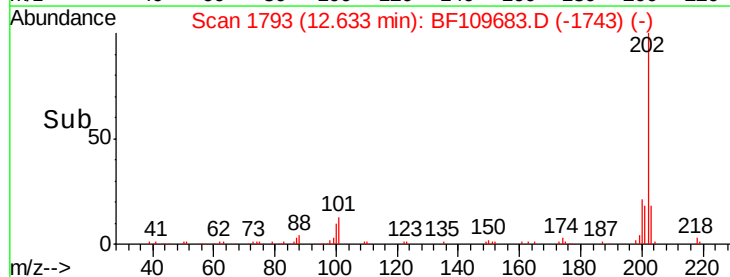
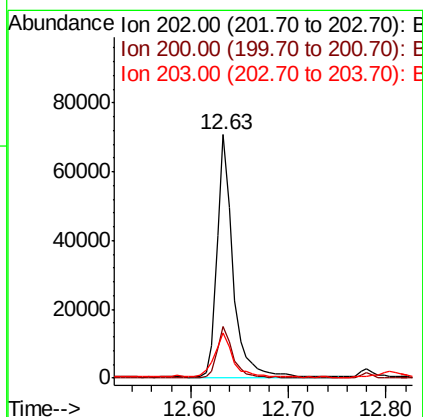
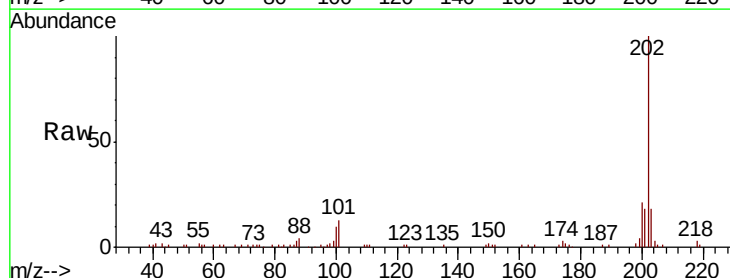
Instrument :
BNA_F
ClientSampled :

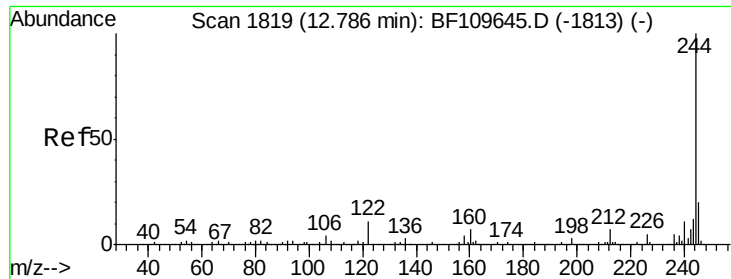
Tot Ion:240 Resp: 226002
Ion Ratio Lower Upper
240 100
120 10.0 8.3 12.5
236 25.5 21.2 31.8



#77
Pyrene
Concen: 4.932 ng
RT: 12.63 min Scan# 1793
Delta R.T. -0.01 min
Lab File: BF109683.D
Acq: 9 Oct 2018 8:24

Tgt Ion:202 Resp: 81661
Ion Ratio Lower Upper
202 100
200 21.2 17.8 26.6
203 18.4 14.2 21.4

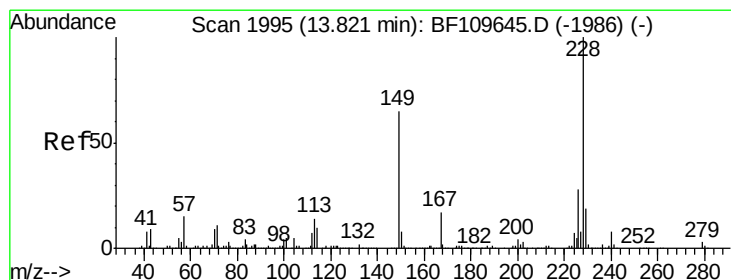
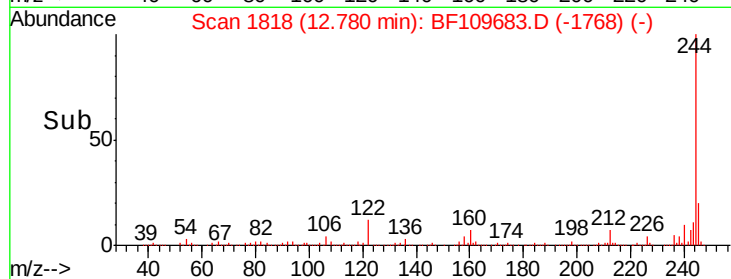
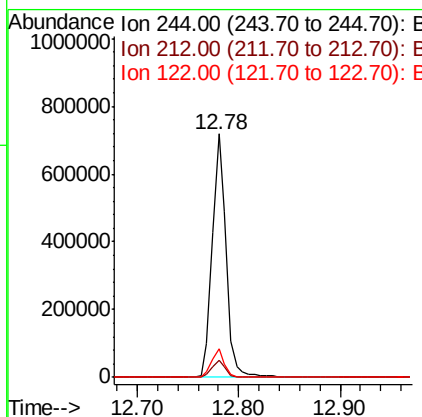
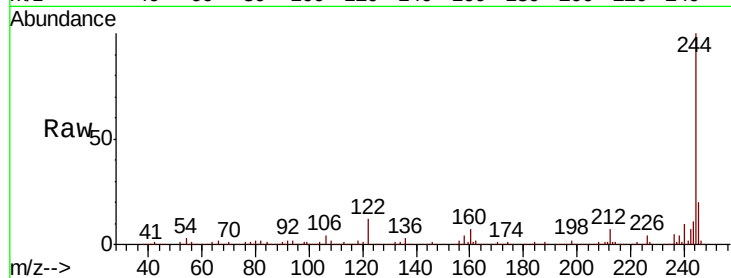




#78
 Terphenyl-d14
 Concen: 58.801 ng
 RT: 12.78 min Scan# 1818
 Delta R.T. -0.01 min
 Lab File: BF109683.D
 Acq: 9 Oct 2018 8:24

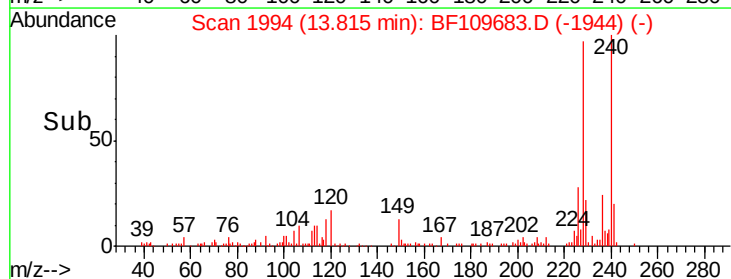
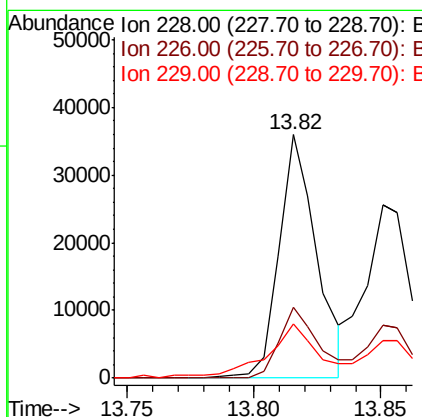
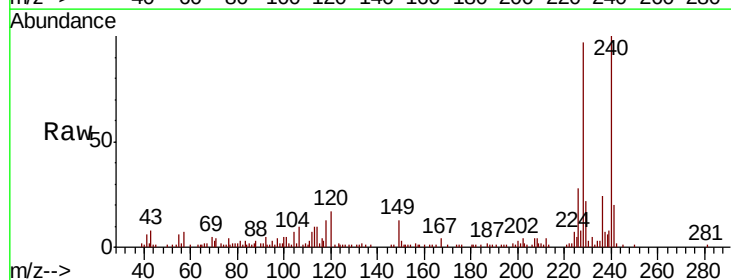
Instrument :
 BNA_F
 ClientSampled :

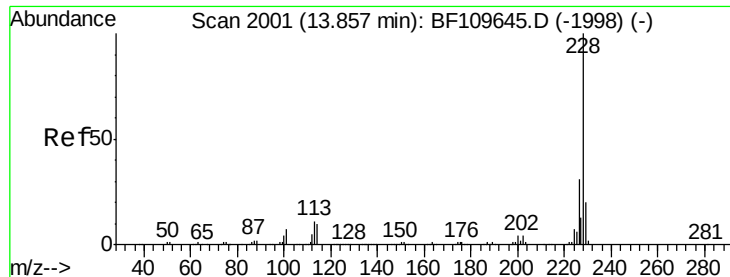
Tot Ion:244 Resp: 686475
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.8 8.8
 122 11.7 8.7 13.1



#80
 Benzo(a)anthracene
 Concen: 2.984 ng
 RT: 13.82 min Scan# 1994
 Delta R.T. -0.01 min
 Lab File: BF109683.D
 Acq: 9 Oct 2018 8:24

Tgt Ion:228 Resp: 37210
 Ion Ratio Lower Upper
 228 100
 226 29.3 22.1 33.1
 229 22.4 15.6 23.4





#82

Chrysene

Concen: 2.613 ng

RT: 13.85 min Scan# 2000

Delta R.T. -0.01 min

Lab File: BF109683.D

Acq: 9 Oct 2018 8:24

Instrument :

BNA_F

ClientSampled :

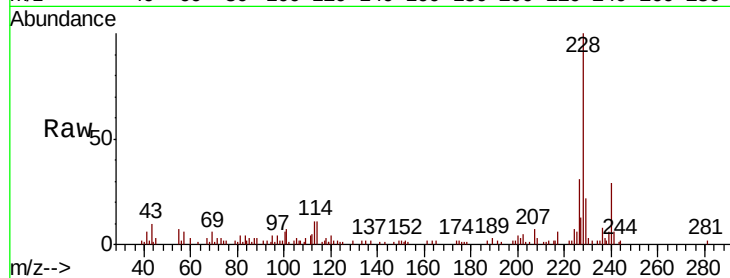
Tot Ion:228 Resp: 34226

Ion Ratio Lower Upper

228 100

226 30.5 24.7 37.1

229 21.7 15.9 23.9

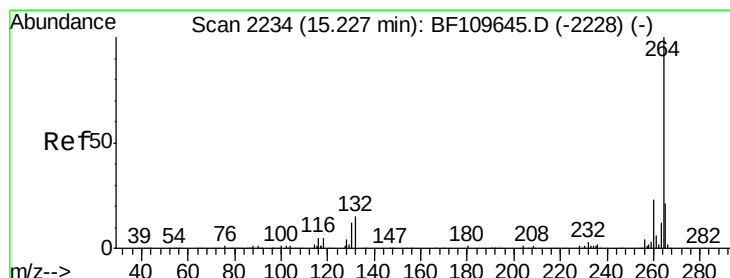
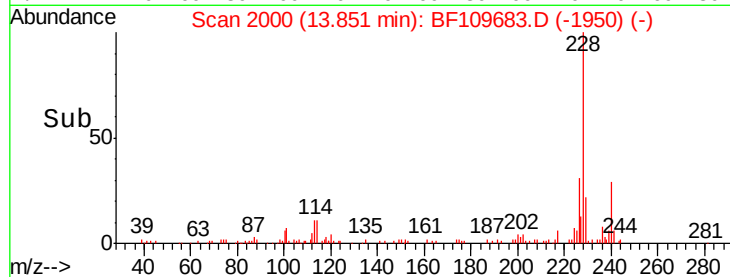
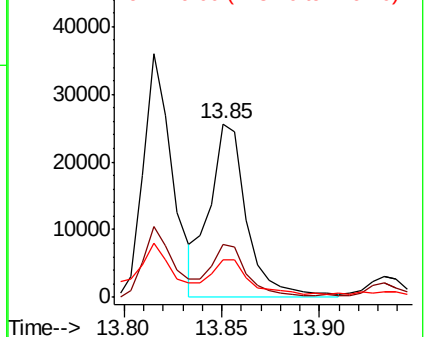


Abundance

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

Perylene-d12

Concen: 20.000 ng

RT: 15.23 min Scan# 2234

Delta R.T. -0.00 min

Lab File: BF109683.D

Acq: 9 Oct 2018 8:24

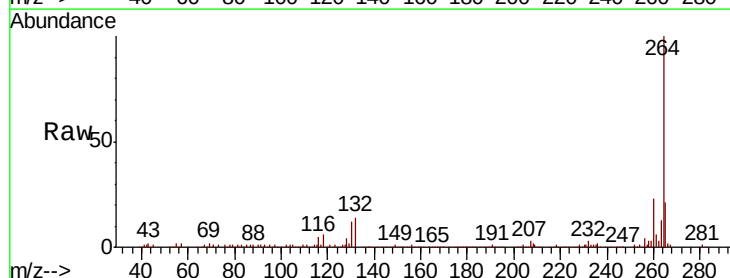
Tgt Ion:264 Resp: 179864

Ion Ratio Lower Upper

264 100

260 23.1 18.7 28.1

265 21.2 16.7 25.1

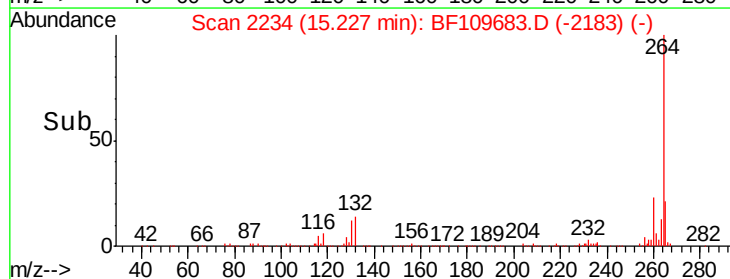
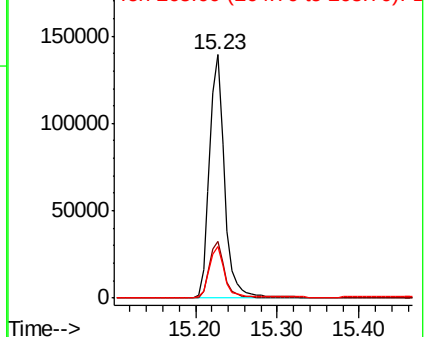


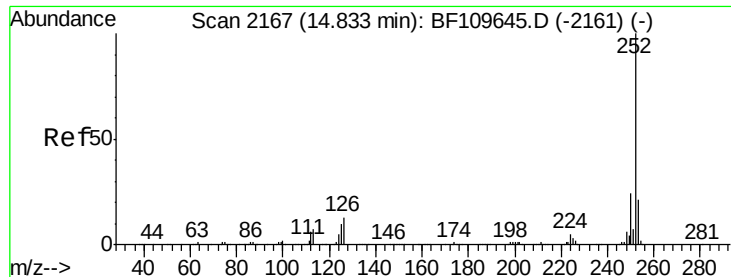
Abundance

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





#87

Benzo(b)fluoranthene

Concen: 4.753 ng

RT: 14.83 min Scan# 2167

Delta R.T. -0.00 min

Lab File: BF109683.D

Acq: 9 Oct 2018 8:24

Instrument :

BNA_F

ClientSampleId :

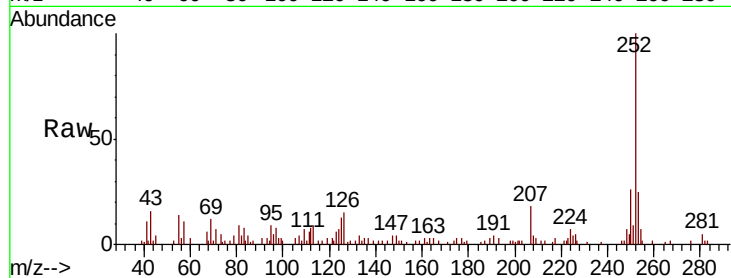
Tot Ion:252 Resp: 47246

Ion Ratio Lower Upper

252 100

253 25.3 17.2 25.8

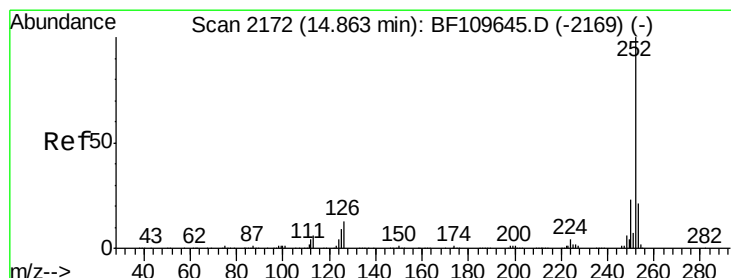
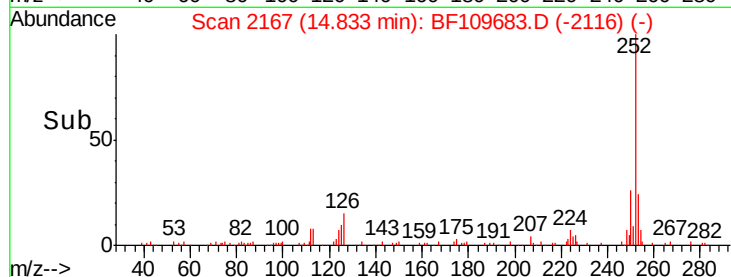
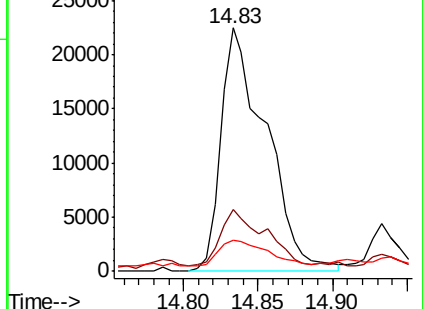
125 13.0 8.2 12.4#



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



#88

Benzo(k)fluoranthene

Concen: 4.731 ng

RT: 14.83 min Scan# 2167

Delta R.T. -0.03 min

Lab File: BF109683.D

Acq: 9 Oct 2018 8:24

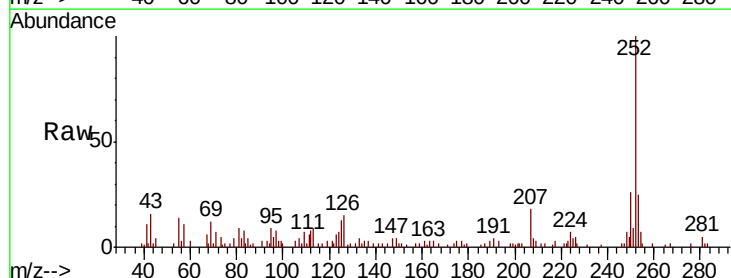
Tgt Ion:252 Resp: 47246

Ion Ratio Lower Upper

252 100

253 25.3 17.2 25.8

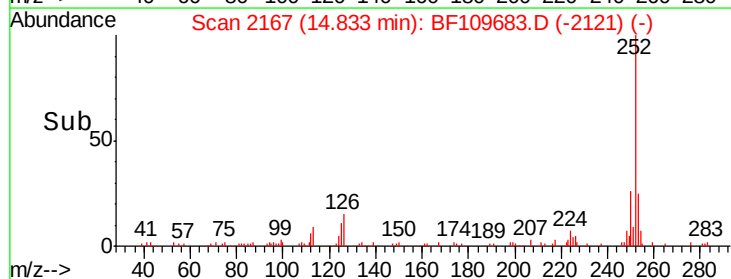
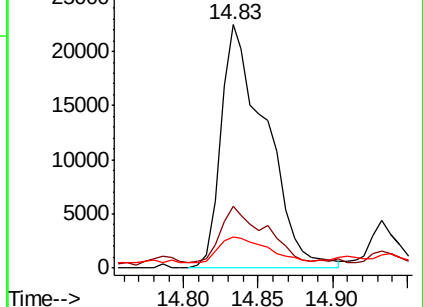
125 13.0 7.4 11.0#

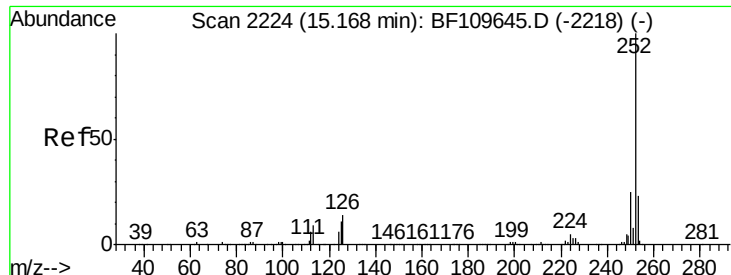


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89
 Benzo(a)pyrene
 Concen: 2.853 ng
 RT: 15.17 min Scan# 2224
 Delta R.T. -0.00 min
 Lab File: BF109683.D
 Acq: 9 Oct 2018 8:24

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.1	18.2	27.4
125	14.3	9.0	13.6

