

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100318\
 Data File : BF109546.D
 Acq On : 3 Oct 2018 15:14
 Operator : JU/SJ
 Sample : J5220-02
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TS-04

Quant Time: Oct 03 16:26:59 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF092218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 22 13:32:18 2018
 Response via : Initial Calibration

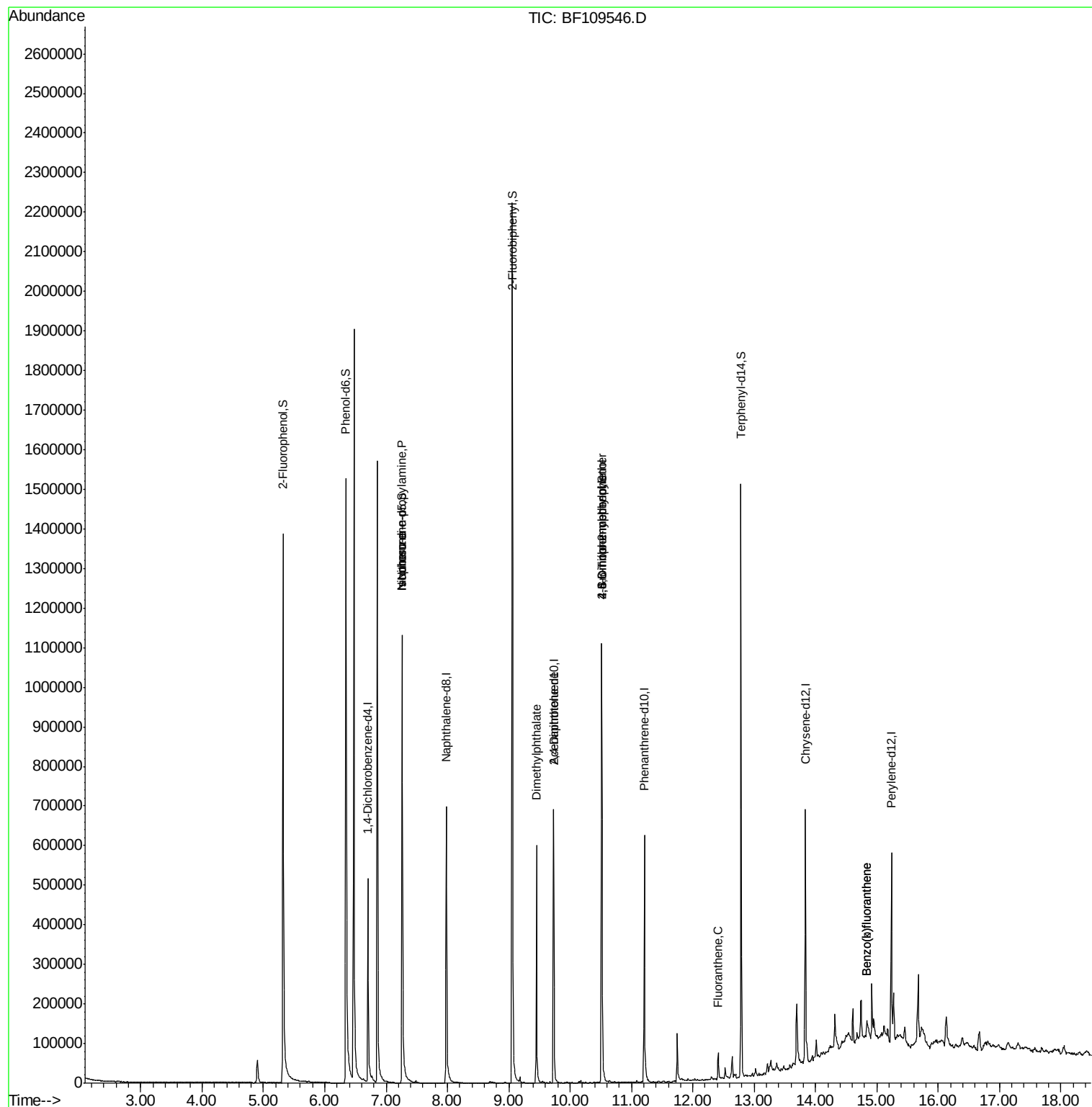
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	96687	20.00	ng	0.00
21) Naphthalene-d8	7.98	136	369173	20.00	ng	-0.01
38) Acenaphthene-d10	9.73	164	156427	20.00	ng	-0.01
63) Phenanthrene-d10	11.21	188	257071	20.00	ng	0.00
75) Chrysene-d12	13.83	240	219959	20.00	ng	-0.01
86) Perylene-d12	15.24	264	219254	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	501244	85.39	ng	0.00
7) Phenol-d6	6.35	99	693292	92.55	ng	-0.01
23) Nitrobenzene-d5	7.26	82	439074	70.21	ng	-0.02
41) 2,4,6-Tribromophenol	10.52	330	143293	92.92	ng	-0.02
44) 2-Fluorobiphenyl	9.06	172	725147	69.92	ng	-0.02
78) Terphenyl-d14	12.79	244	517788	57.77	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.26	70	58486	11.916	ng	# 76
25) Isophorone	7.26	82	429761	38.162	ng	# 64
49) Dimethylphthalate	9.45	163	244093	21.454	ng	# 99
56) 2,4-Dinitrotoluene	9.73	165	19709	6.913	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.52	198	134	6.632	ng	# 1
66) 4-Bromophenyl-phenylether	10.52	248	8628	3.022	ng	# 1
74) Fluoranthene	12.42	202	29687	2.164	ng	# 93
87) Benzo(b)fluoranthene	14.84	252	27845	2.311	ng	# 94
88) Benzo(k)fluoranthene	14.84	252	27845	2.436	ng	# 96

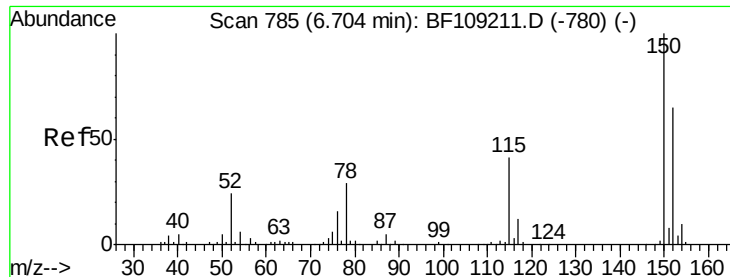
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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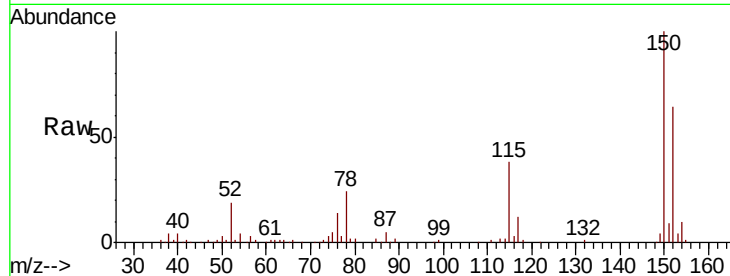


#1

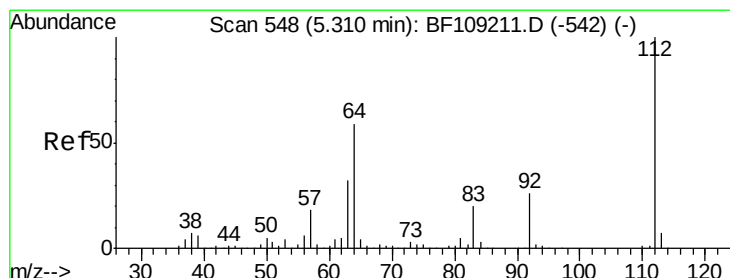
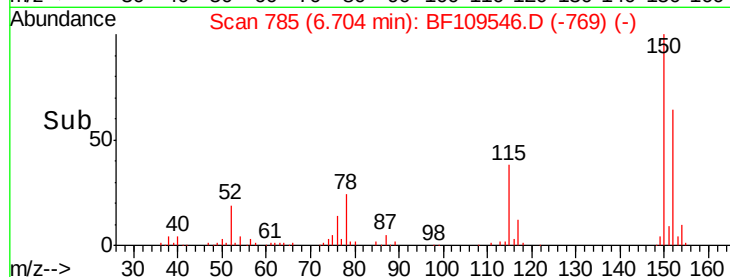
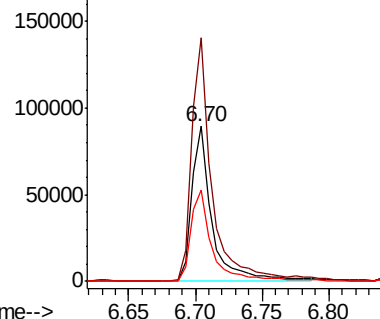
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF109546.D
Acq: 3 Oct 2018 15:14

Instrument :
BNA_F
ClientSampleId :
TS-04

Tot Ion:152 Resp: 96687
Ion Ratio Lower Upper
152 100
150 156.9 124.6 186.8
115 58.9 50.1 75.1



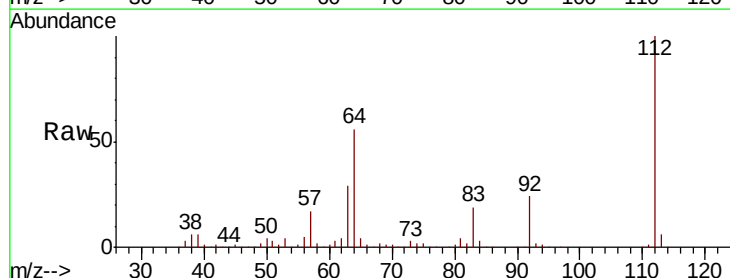
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



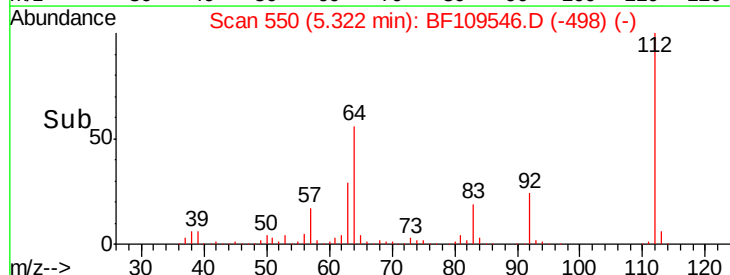
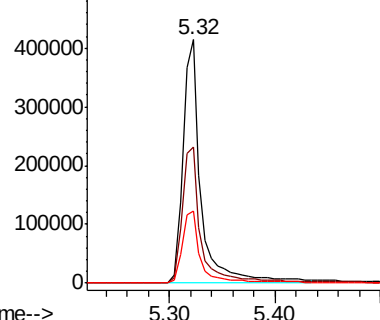
#5

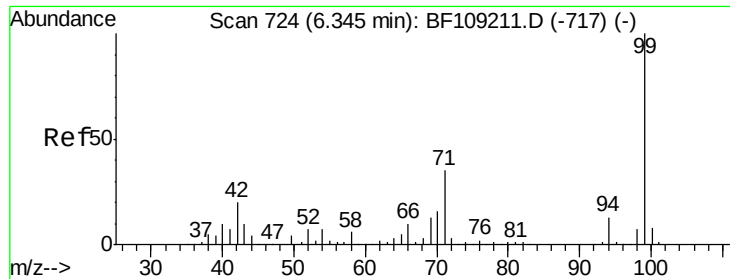
2-Fluorophenol
Concen: 85.388 ng
RT: 5.32 min Scan# 550
Delta R.T. 0.01 min
Lab File: BF109546.D
Acq: 3 Oct 2018 15:14

Tgt Ion:112 Resp: 501244
Ion Ratio Lower Upper
112 100
64 55.6 47.9 71.9
63 29.4 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: 92.555 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF109546.D

Acq: 3 Oct 2018 15:14

Instrument :

BNA_F

ClientSampleId :

TS-04

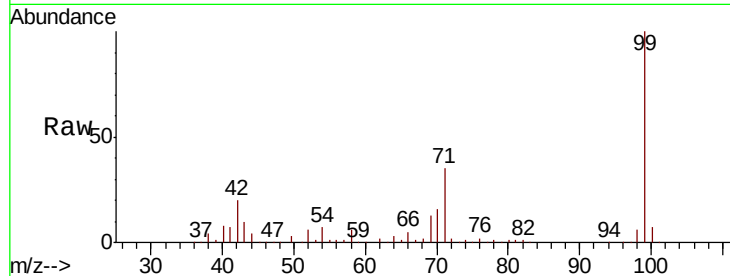
Tot Ion: 99 Resp: 693292

Ion Ratio Lower Upper

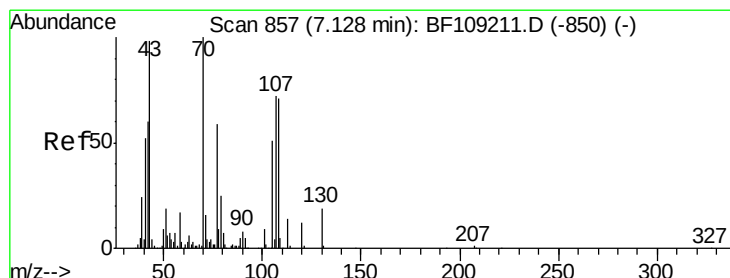
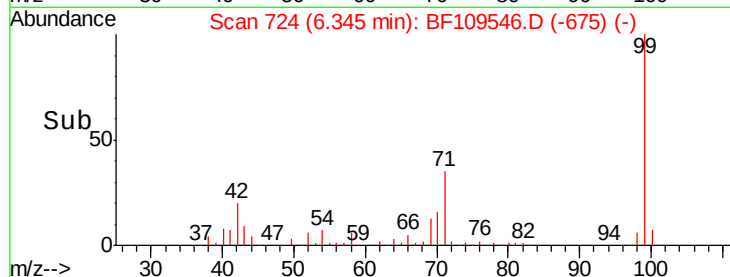
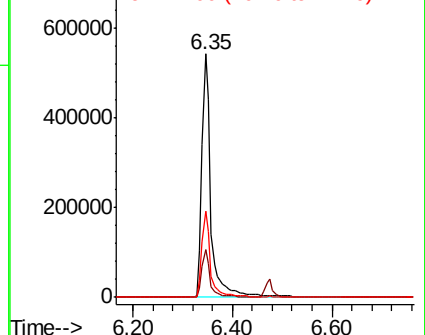
99 100

42 19.6 14.5 21.7

71 35.4 25.4 38.0



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: 11.916 ng

RT: 7.26 min Scan# 880

Delta R.T. 0.12 min

Lab File: BF109546.D

Acq: 3 Oct 2018 15:14

Tgt Ion: 70 Resp: 58486

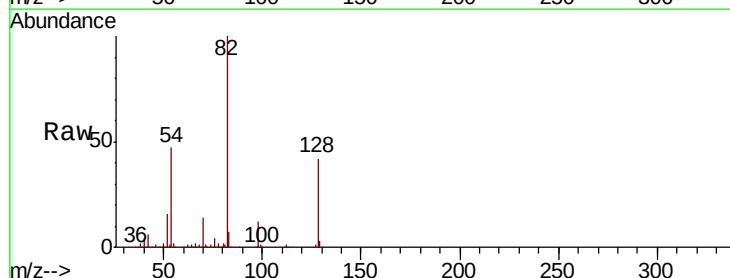
Ion Ratio Lower Upper

70 100

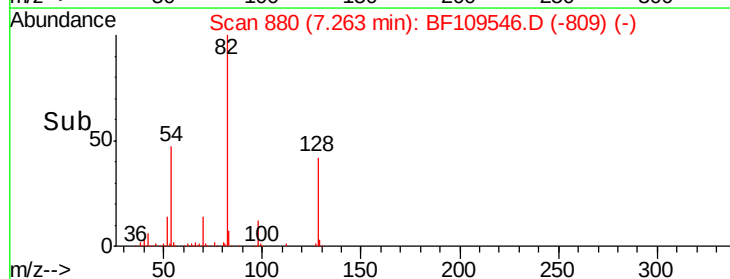
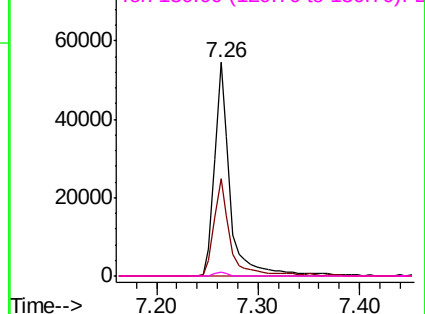
42 45.8 47.5 71.3#

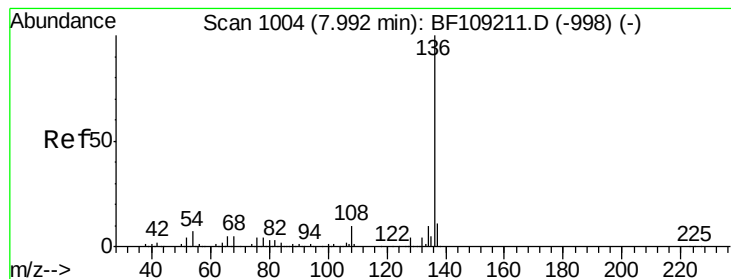
101 0.0 7.4 11.2#

130 1.7 16.6 25.0#



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: 7.98 min Scan# 1002

Delta R.T. -0.01 min

Lab File: BF109546.D

Acq: 3 Oct 2018 15:14

Instrument :

BNA_F

ClientSampleId :

TS-04

Tot Ion:136 Resp: 369173

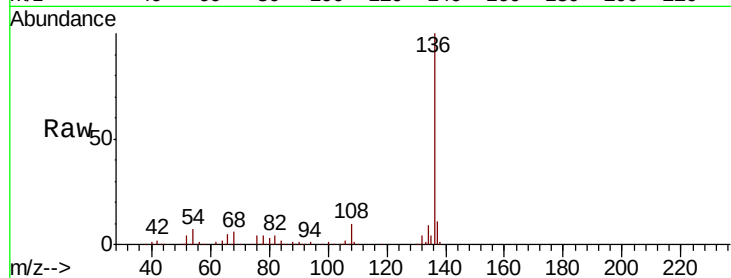
Ion Ratio Lower Upper

136 100

137 10.6 8.9 13.3

54 7.2 6.6 9.8

68 5.6 5.0 7.4

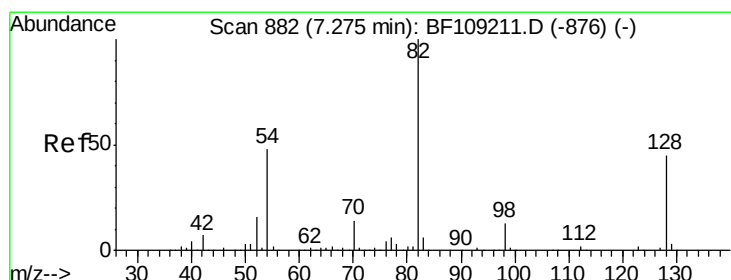
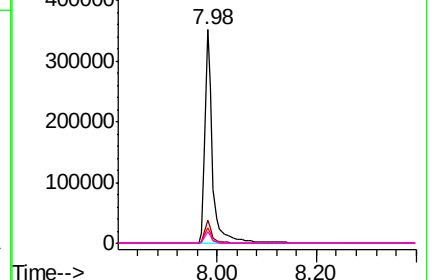
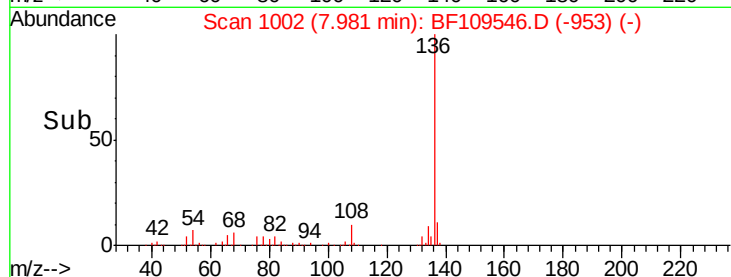


Abundance Ion 136.00 (135.70 to 136.70): E

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: 70.209 ng

RT: 7.26 min Scan# 880

Delta R.T. -0.02 min

Lab File: BF109546.D

Acq: 3 Oct 2018 15:14

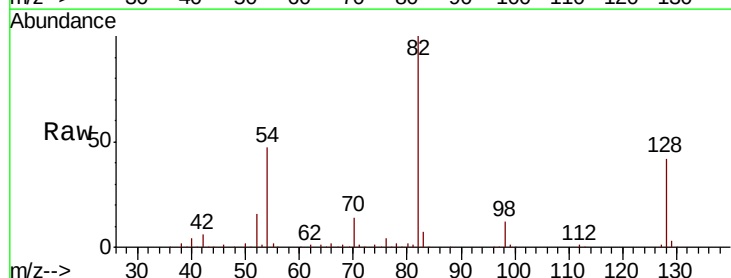
Tgt Ion: 82 Resp: 439074

Ion Ratio Lower Upper

82 100

128 41.8 36.1 54.1

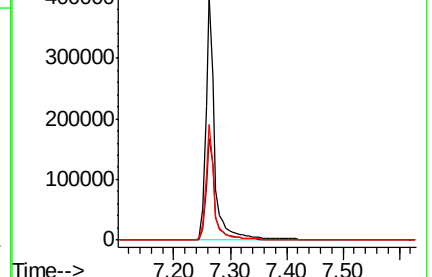
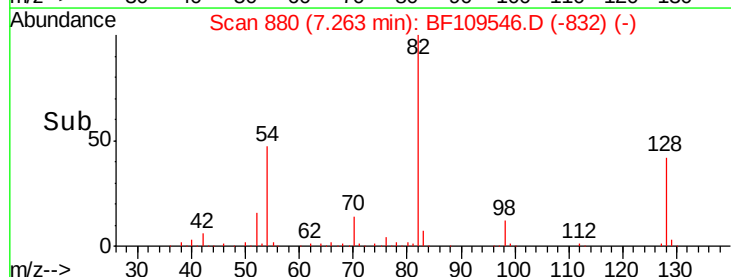
54 47.5 41.4 62.2

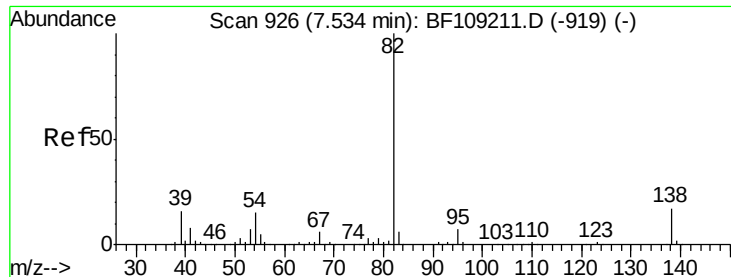


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

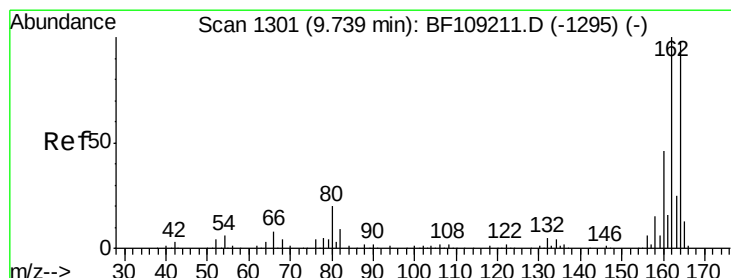
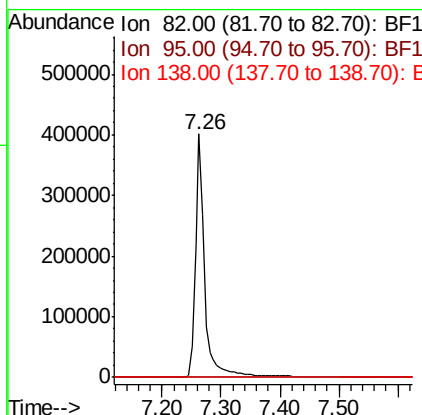
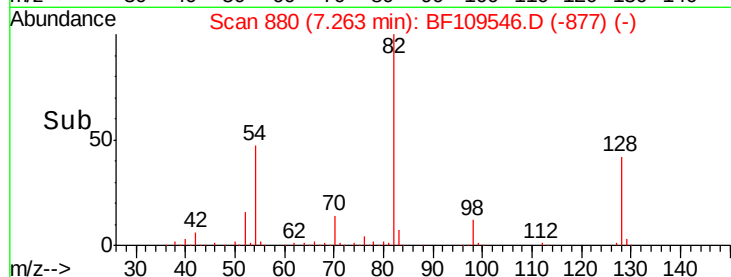
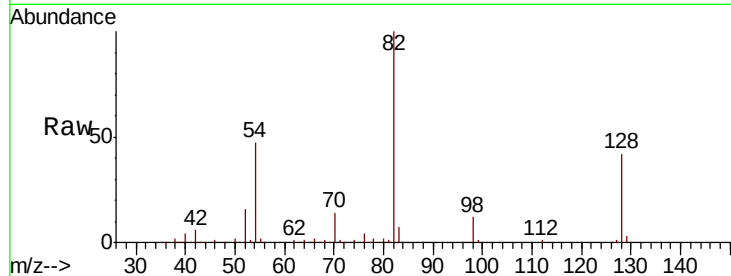




#25
Isophorone
Concen: 38.162 ng
RT: 7.26 min Scan# 880
Delta R.T. -0.28 min
Lab File: BF109546.D
Acq: 3 Oct 2018 15:14

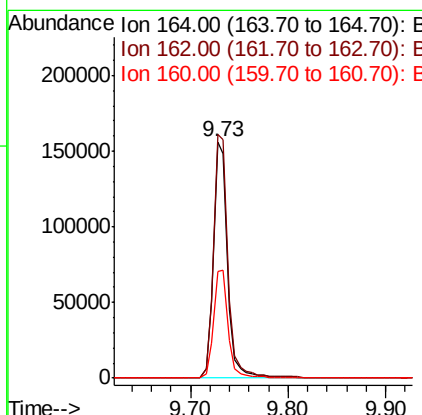
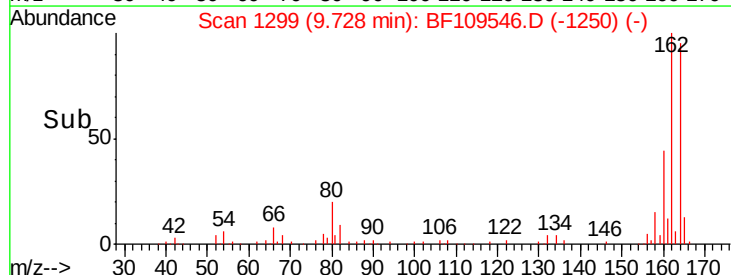
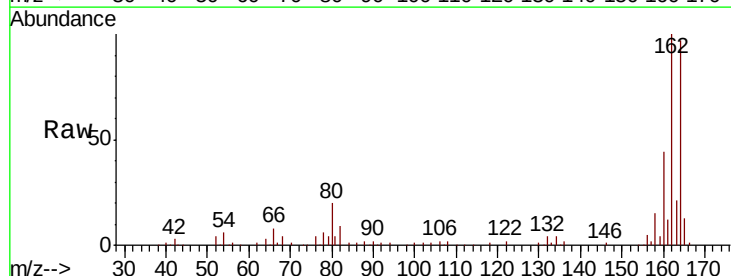
Instrument :
BNA_F
ClientSampleId :
TS-04

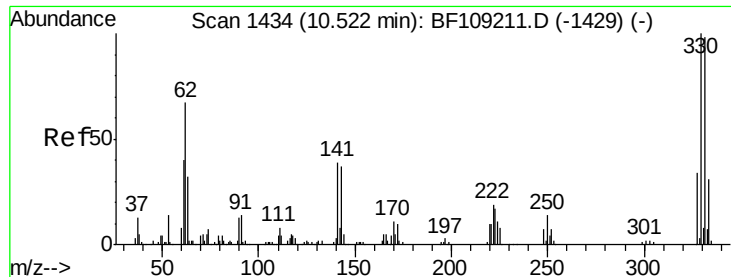
Tot Ion: 82 Resp: 429761
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.73 min Scan# 1299
Delta R.T. -0.01 min
Lab File: BF109546.D
Acq: 3 Oct 2018 15:14

Tgt Ion: 164 Resp: 156427
Ion Ratio Lower Upper
164 100
162 103.1 86.1 129.1
160 45.1 38.3 57.5

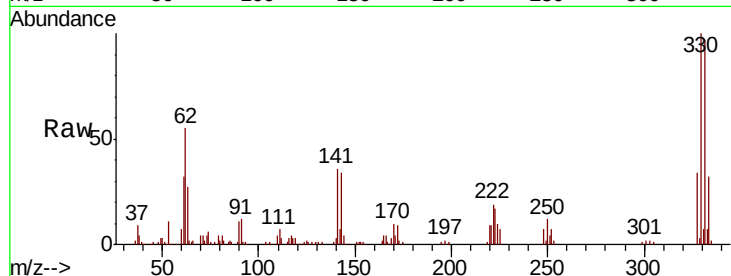




#41
 2,4,6-Tribromophenol
 Concen: 92.924 ng
 RT: 10.52 min Scan# 1433
 Delta R.T. -0.02 min
 Lab File: BF109546.D
 Acq: 3 Oct 2018 15:14

Instrument :
 BNA_F
 ClientSampleId :
 TS-04

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.0	115.6
141	33.4	29.9	44.9

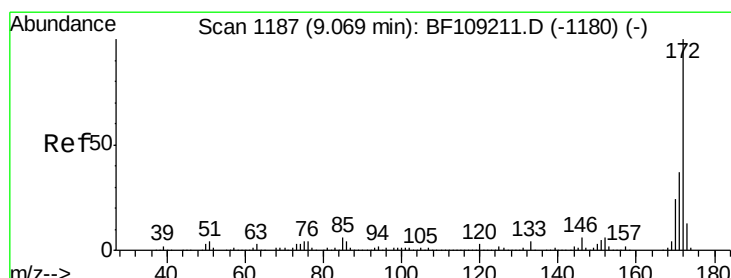
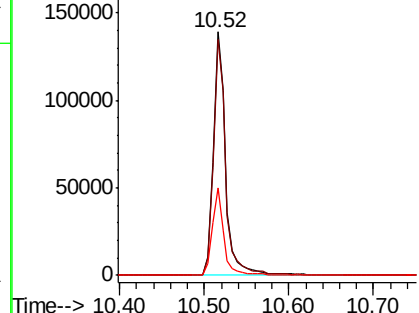
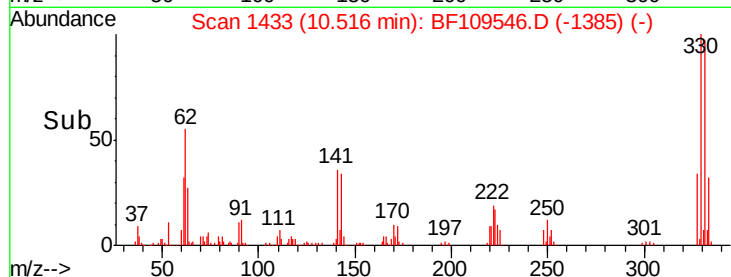


Abundance

Ion 329.80 (329.50 to 330.50): E

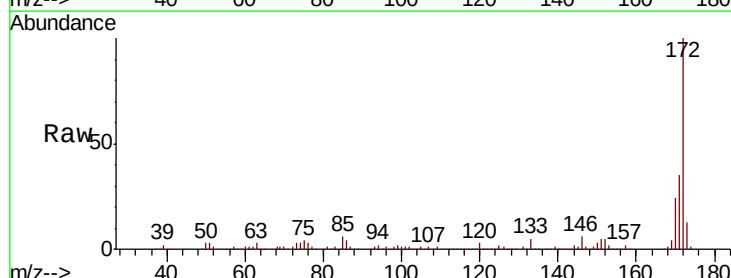
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 69.915 ng
 RT: 9.06 min Scan# 1185
 Delta R.T. -0.02 min
 Lab File: BF109546.D
 Acq: 3 Oct 2018 15:14

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.2	29.7	44.5
170	23.7	19.6	29.4

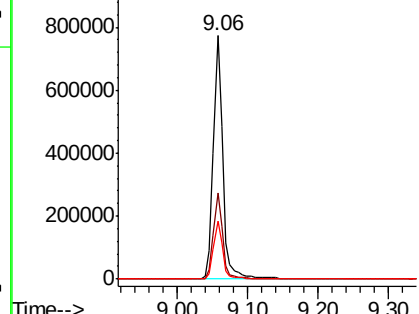
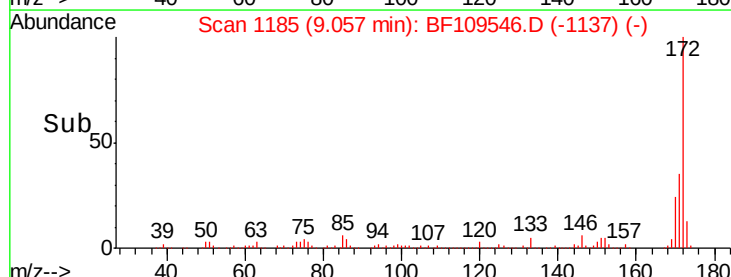


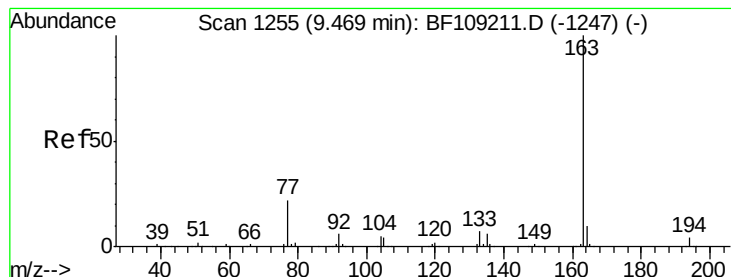
Abundance

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: 21.454 ng

RT: 9.45 min Scan# 1252

Delta R.T. -0.03 min

Lab File: BF109546.D

Acq: 3 Oct 2018 15:14

Instrument :

BNA_F

ClientSampleId :

TS-04

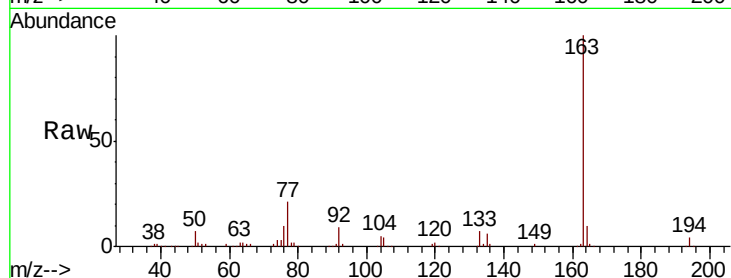
Tot Ion:163 Resp: 244093

Ion Ratio Lower Upper

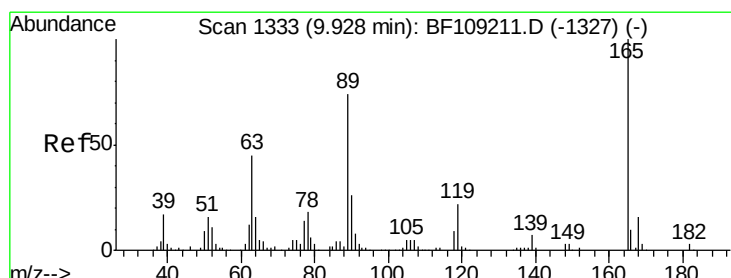
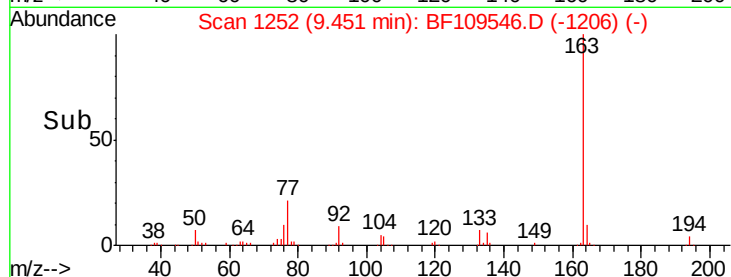
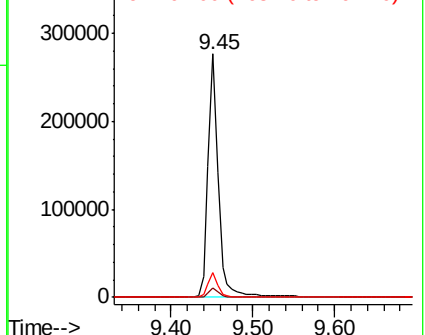
163 100

194 3.7 2.7 4.1

164 10.0 8.2 12.2



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: 6.913 ng

RT: 9.73 min Scan# 1299

Delta R.T. -0.21 min

Lab File: BF109546.D

Acq: 3 Oct 2018 15:14

Tgt Ion:165 Resp: 19709

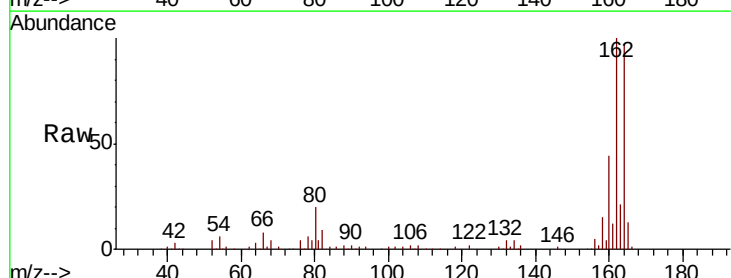
Ion Ratio Lower Upper

165 100

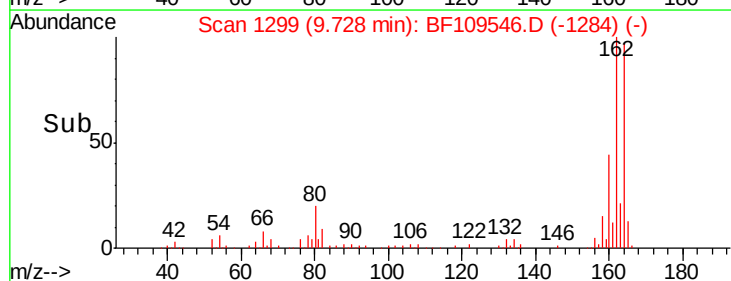
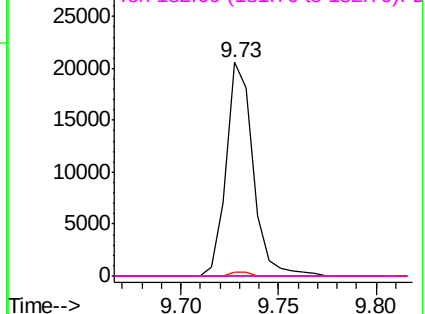
63 0.0 36.4 54.6#

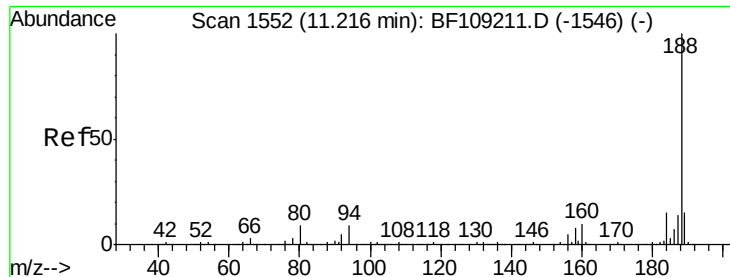
89 1.7 57.8 86.6#

182 0.0 1.6 2.4#



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

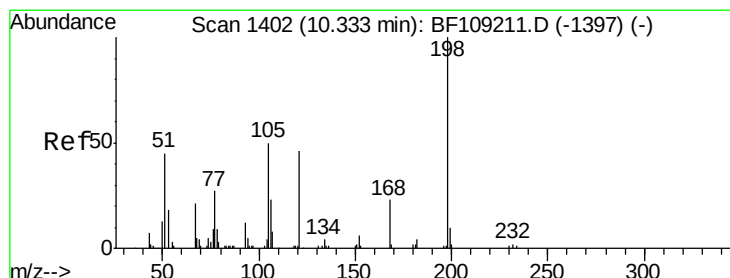
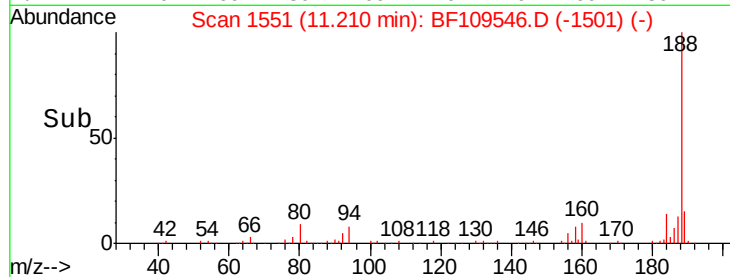
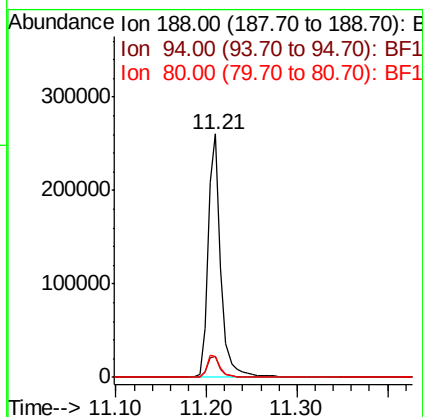
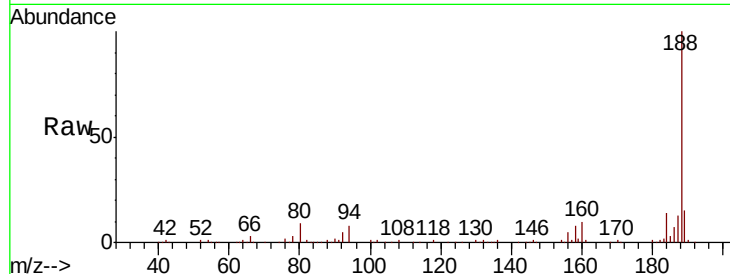




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.21 min Scan# 1551
Delta R.T. -0.01 min
Lab File: BF109546.D
Acq: 3 Oct 2018 15:14

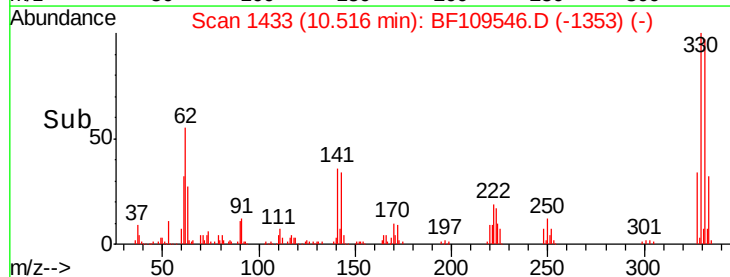
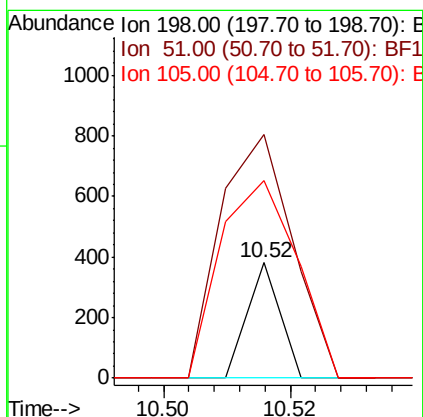
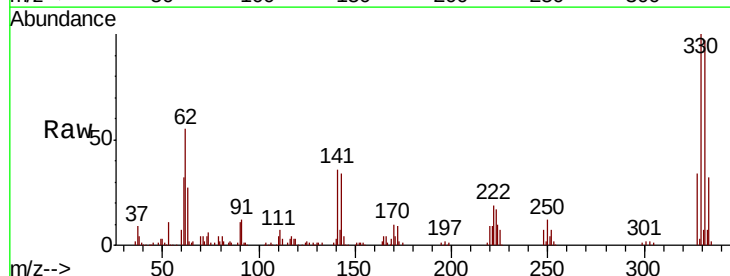
Instrument :
BNA_F
ClientSampleId :
TS-04

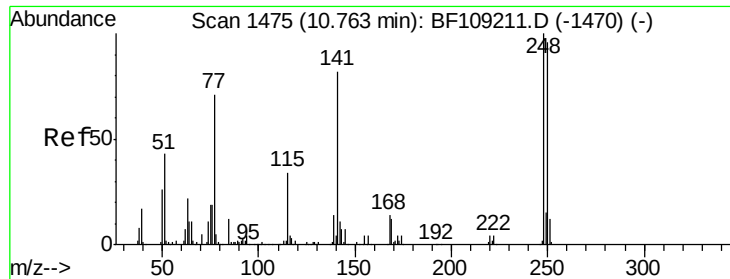
Tot Ion:188 Resp: 257071
Ion Ratio Lower Upper
188 100
94 8.5 8.5 12.7
80 8.8 9.2 13.8#



#64
4,6-Dinitro-2-methylphenol
Concen: 6.632 ng
RT: 10.52 min Scan# 1433
Delta R.T. 0.17 min
Lab File: BF109546.D
Acq: 3 Oct 2018 15:14

Tgt Ion:198 Resp: 134
Ion Ratio Lower Upper
198 100
51 211.0 37.7 77.7#
105 170.9 36.3 76.3#

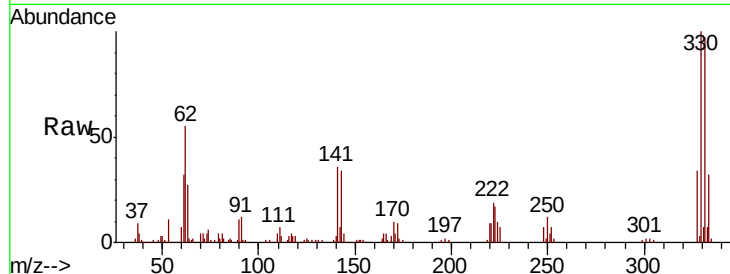




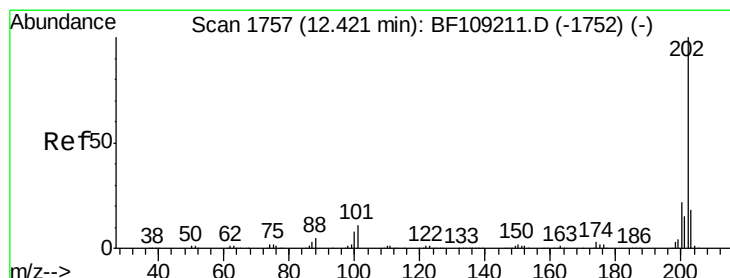
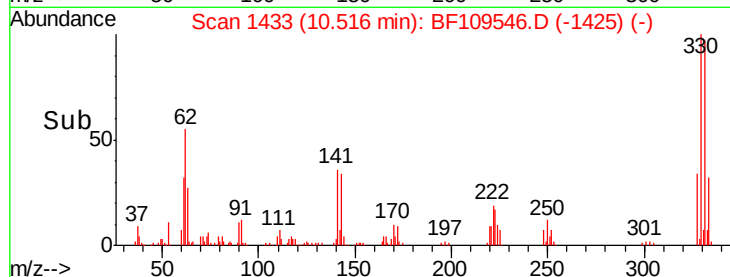
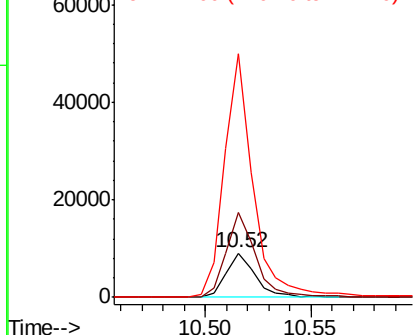
#66
4-Bromophenyl-phenylether
Concen: 3.022 ng
RT: 10.52 min Scan# 1433
Delta R.T. -0.25 min
Lab File: BF109546.D
Acq: 3 Oct 2018 15:14

Instrument :
BNA_F
ClientSampleId :
TS-04

Tot Ion:248 Resp: 8628
Ion Ratio Lower Upper
248 100
250 190.0 76.9 115.3#
141 547.3 74.4 111.6#

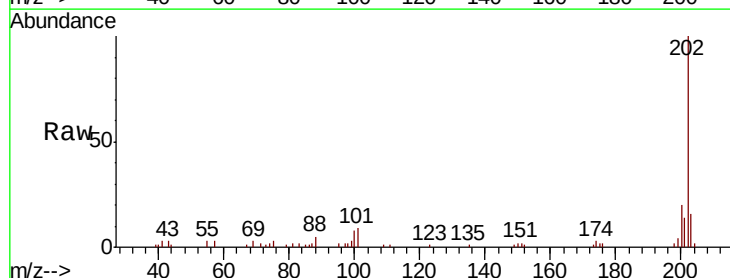


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

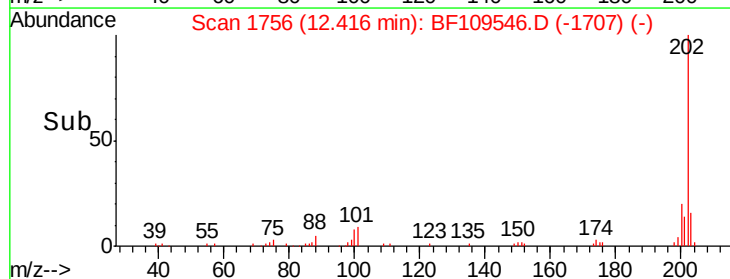
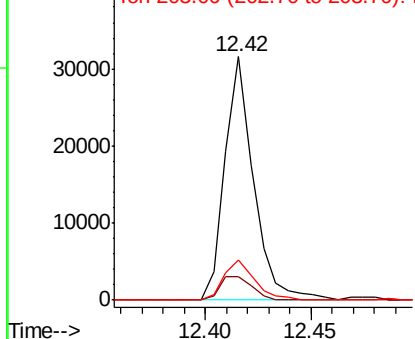


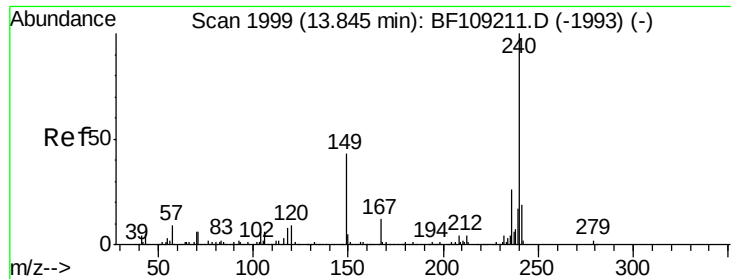
#74
Fluoranthene
Concen: 2.164 ng
RT: 12.42 min Scan# 1756
Delta R.T. -0.01 min
Lab File: BF109546.D
Acq: 3 Oct 2018 15:14

Tgt Ion:202 Resp: 29687
Ion Ratio Lower Upper
202 100
101 9.5 0.0 34.1
203 16.5 0.0 38.1



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





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.83 min Scan# 1997

Delta R.T. -0.01 min

Lab File: BF109546.D

Acq: 3 Oct 2018 15:14

Instrument :

BNA_F

ClientSampleId :

TS-04

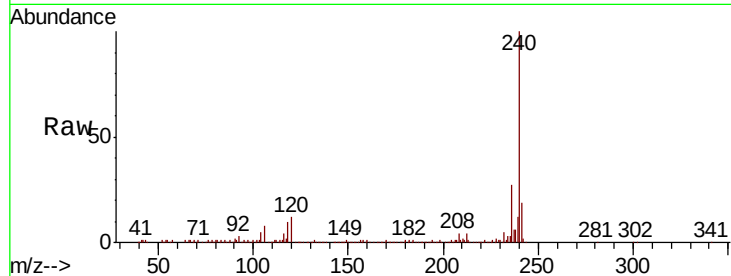
Tot Ion:240 Resp: 219959

Ion Ratio Lower Upper

240 100

120 11.7 9.5 14.3

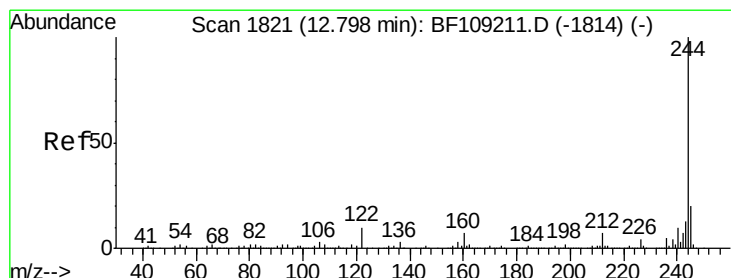
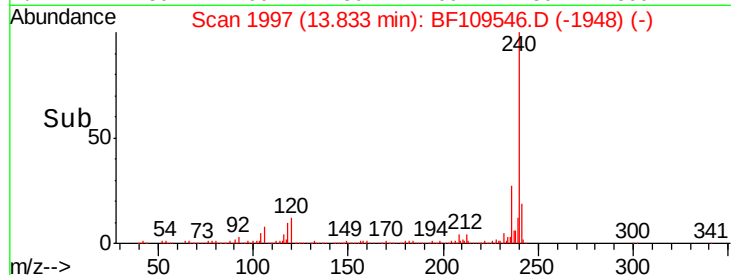
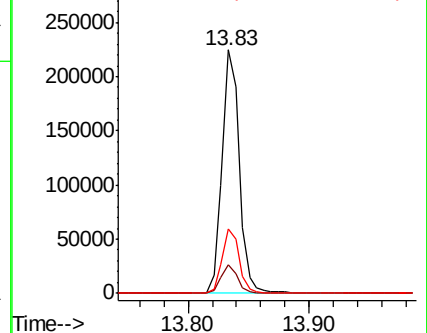
236 26.6 20.7 31.1



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

Terphenyl-d14

Concen: 57.772 ng

RT: 12.79 min Scan# 1819

Delta R.T. -0.02 min

Lab File: BF109546.D

Acq: 3 Oct 2018 15:14

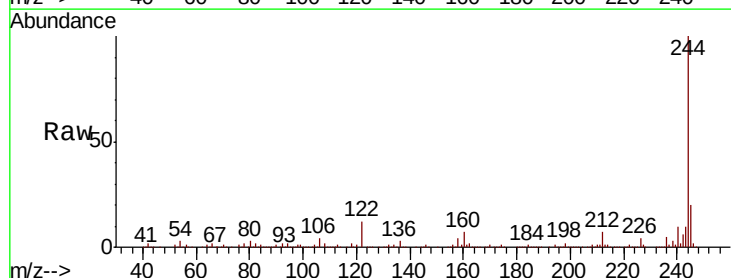
Tgt Ion:244 Resp: 517788

Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.0

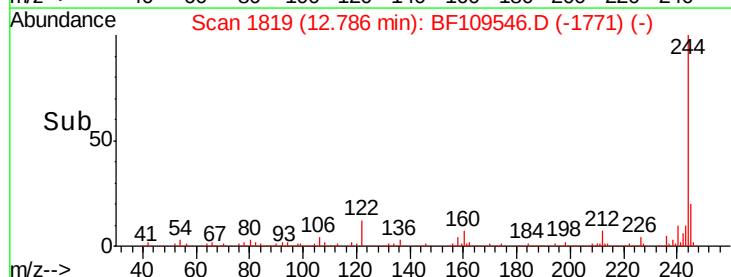
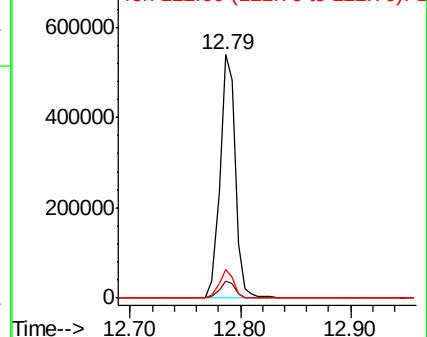
122 11.8 11.0 16.4

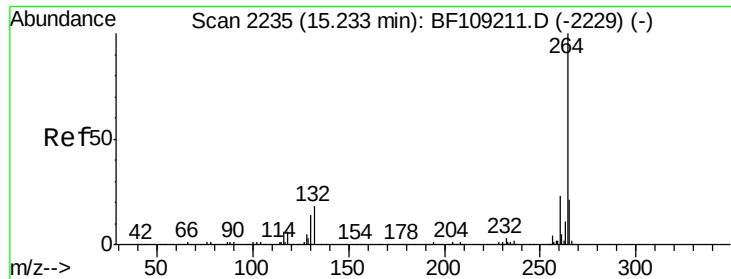


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



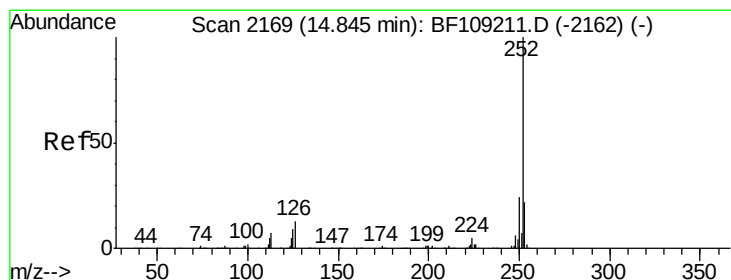
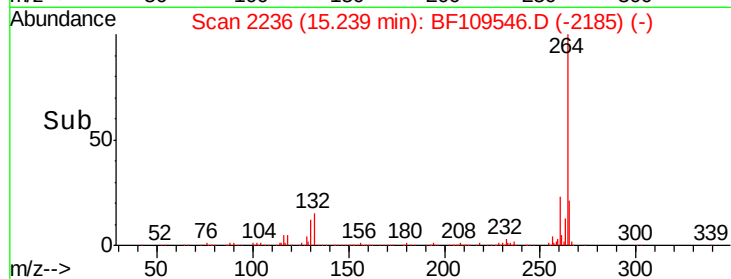
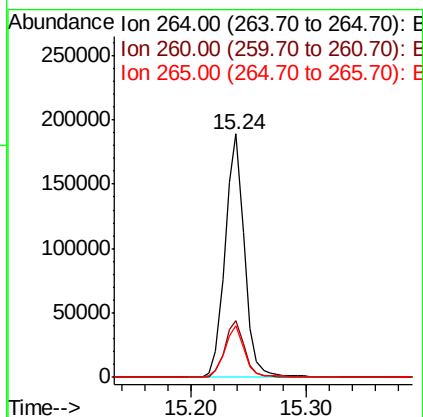
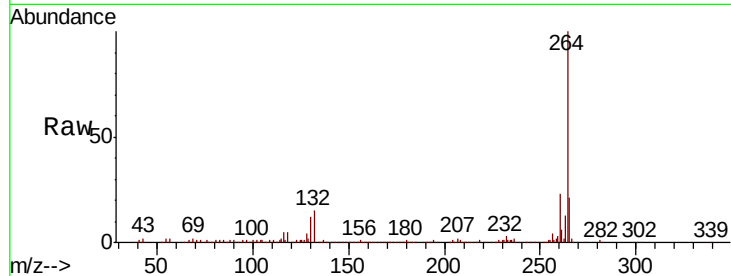


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.24 min Scan# 2236
Delta R.T. 0.00 min
Lab File: BF109546.D
Acq: 3 Oct 2018 15:14

Instrument :
BNA_F
ClientSampled :
TS-04

Tot Ion:264 Resp: 219254

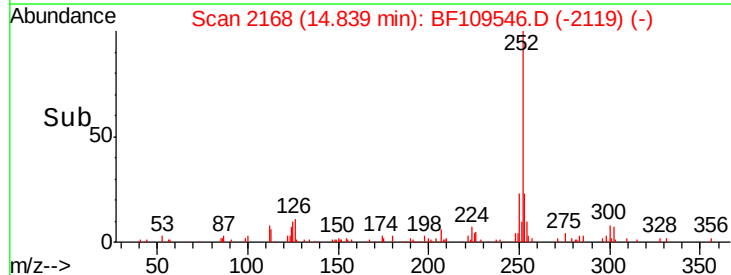
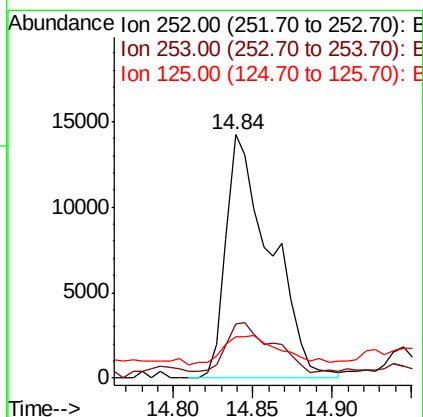
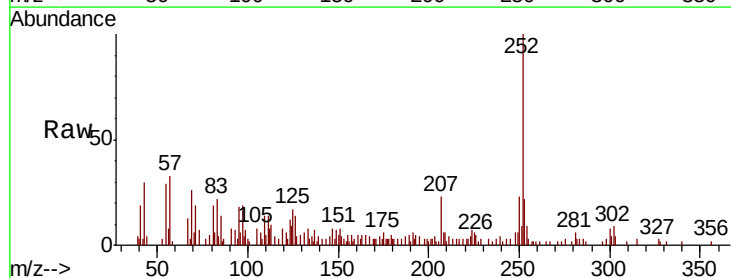
Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.2	28.8
265	21.3	17.5	26.3

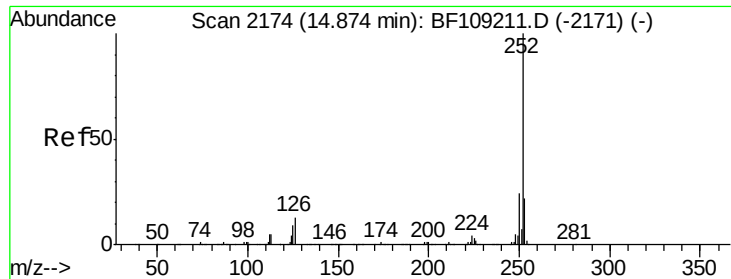


#87
Benzo(b)fluoranthene
Concen: 2.311 ng
RT: 14.84 min Scan# 2168
Delta R.T. -0.01 min
Lab File: BF109546.D
Acq: 3 Oct 2018 15:14

Tgt Ion:252 Resp: 27845

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.0	25.6
125	17.0	9.0	13.6





#88
 Benzo(k)fluoranthene
 Concen: 2.436 ng
 RT: 14.84 min Scan# 2168
 Delta R.T. -0.04 min
 Lab File: BF109546.D
 Acq: 3 Oct 2018 15:14

Instrument :
 BNA_F
 ClientSampleId :
 TS-04

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.9	26.9
125	17.0	10.2	15.2

