

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101718\
 Data File : BF109930.D
 Acq On : 17 Oct 2018 19:54
 Operator : JU/SJ
 Sample : J5200-11 2X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 18 10:41:06 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 16 14:58:24 2018
 Response via : Initial Calibration

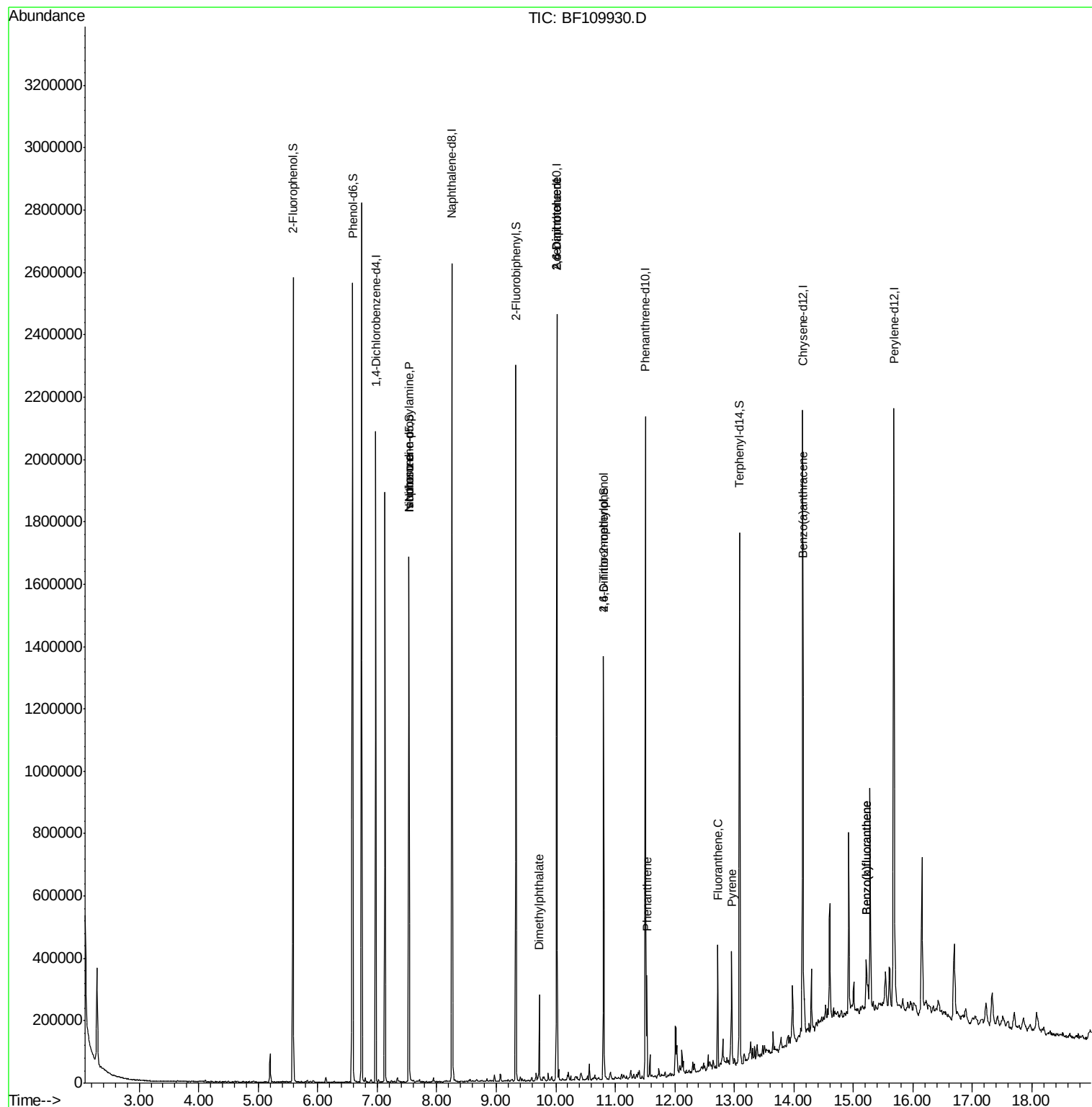
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	273267	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	1073628	20.00	ng	-0.01
39) Acenaphthene-d10	10.02	164	469851	20.00	ng	-0.01
64) Phenanthrene-d10	11.51	188	746024	20.00	ng	0.00
76) Chrysene-d12	14.15	240	613535	20.00	ng	-0.01
87) Perylene-d12	15.68	264	669183	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	644818	37.40	ng	-0.01
7) Phenol-d6	6.59	99	804138	37.56	ng	-0.02
23) Nitrobenzene-d5	7.53	82	452457	28.39	ng	-0.02
42) 2,4,6-Tribromophenol	10.80	330	138477	34.04	ng	-0.01
45) 2-Fluorobiphenyl	9.33	172	720244	24.46	ng	0.00
79) Terphenyl-d14	13.09	244	537978	18.41	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.53	70	58789	4.277	ng	# 83
25) Isophorone	7.53	82	452536	14.451	ng	# 67
50) Dimethylphthalate	9.72	163	92007	2.765	ng	98
51) 2,6-Dinitrotoluene	10.02	165	60811	9.623	ng	# 22
57) 2,4-Dinitrotoluene	10.02	165	60811	11.474	ng	# 19
65) 4,6-Dinitro-2-methylphenol	10.80	198	129	7.944	ng	# 1
71) Phenanthrene	11.53	178	116680	3.021	ng	99
75) Fluoranthene	12.72	202	133788	3.468	ng	97
78) Pyrene	12.95	202	127849	2.837	ng	99
81) Benzo(a)anthracene	14.14	228	73337	2.029	ng	98
88) Benzo(b)fluoranthene	15.22	252	119683	3.102	ng	# 96
89) Benzo(k)fluoranthene	15.22	252	119683	3.147	ng	# 95

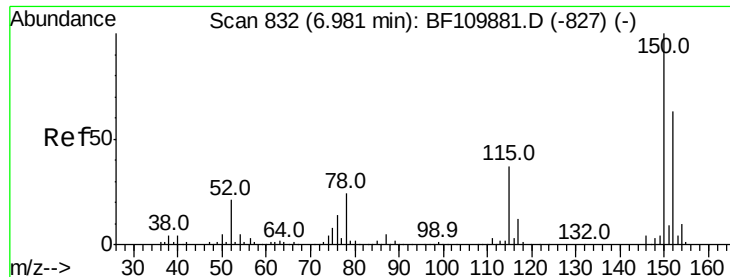
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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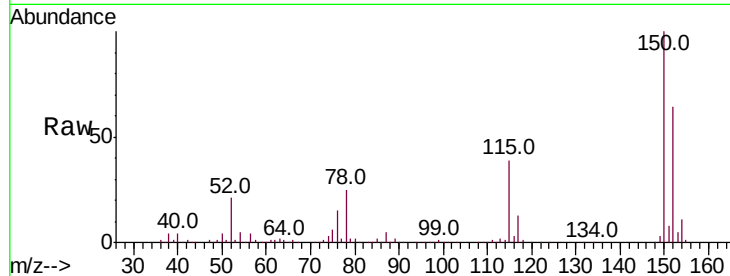


#1

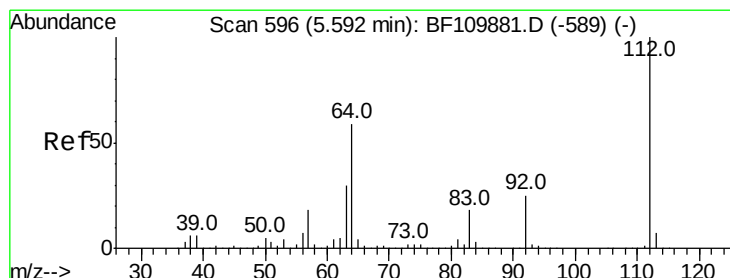
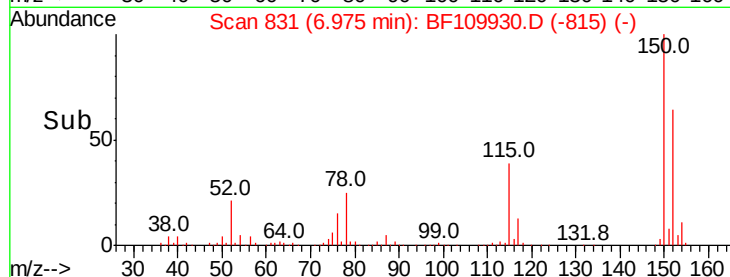
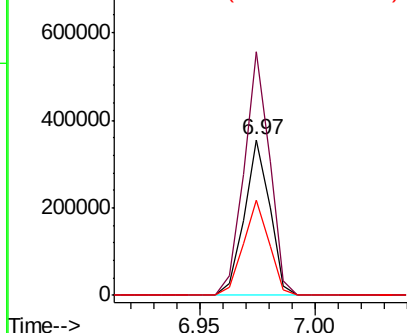
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 831
Delta R.T. -0.01 min
Lab File: BF109930.D
Acq: 17 Oct 2018 19:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 273267
Ion Ratio Lower Upper
152 100
150 156.8 122.7 184.1
115 61.7 49.1 73.7



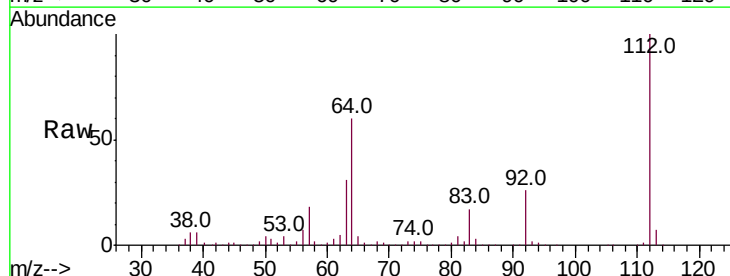
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



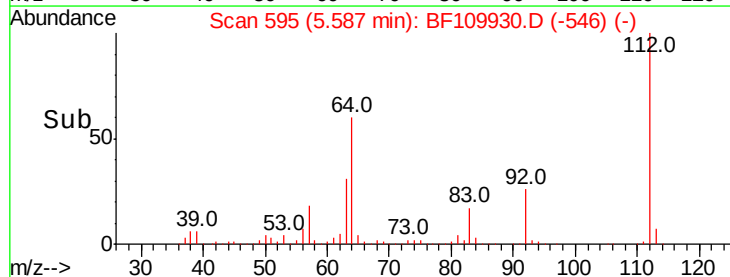
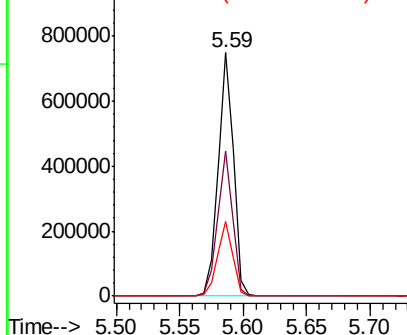
#5

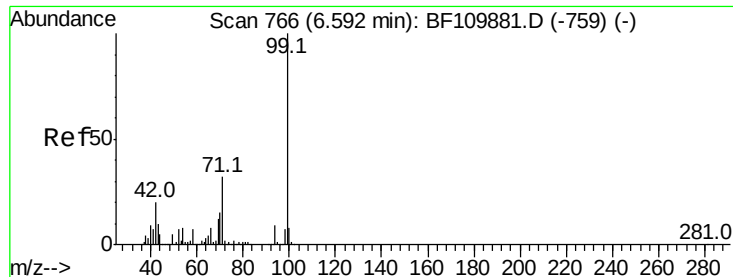
2-Fluorophenol
Concen: 37.404 ng
RT: 5.59 min Scan# 595
Delta R.T. -0.01 min
Lab File: BF109930.D
Acq: 17 Oct 2018 19:54

Tgt Ion:112 Resp: 644818
Ion Ratio Lower Upper
112 100
64 59.8 44.1 66.1
63 30.5 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: 37.565 ng

RT: 6.59 min Scan# 765

Delta R.T. -0.02 min

Lab File: BF109930.D

Acq: 17 Oct 2018 19:54

Instrument :

BNA_F

ClientSampleId :

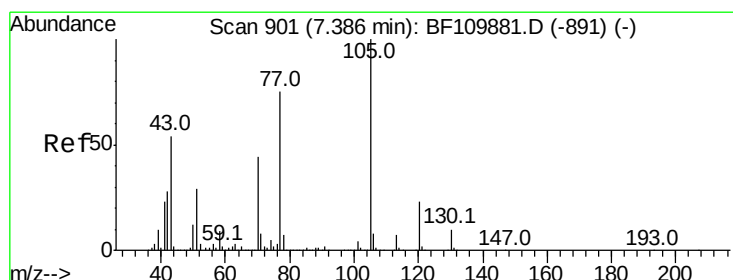
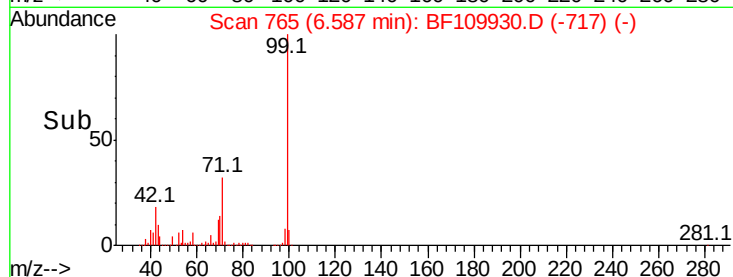
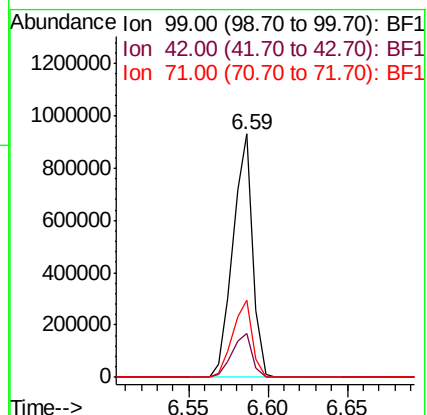
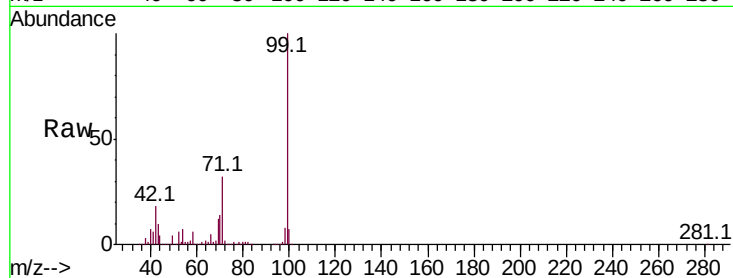
Tot Ion: 99 Resp: 804138

Ion Ratio Lower Upper

99 100

42 17.9 15.8 23.6

71 31.7 28.0 42.0



#19

n-Nitroso-di-n-propylamine

Concen: 4.277 ng

RT: 7.53 min Scan# 926

Delta R.T. 0.14 min

Lab File: BF109930.D

Acq: 17 Oct 2018 19:54

Tgt Ion: 70 Resp: 58789

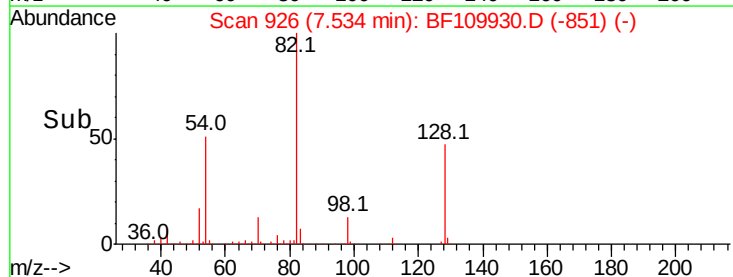
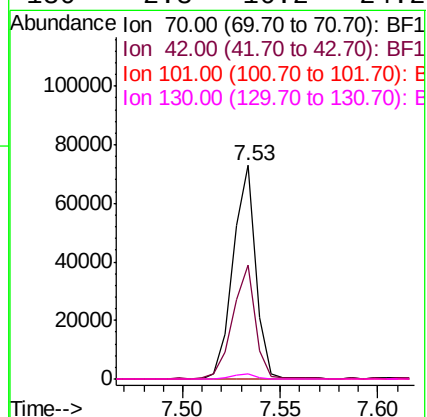
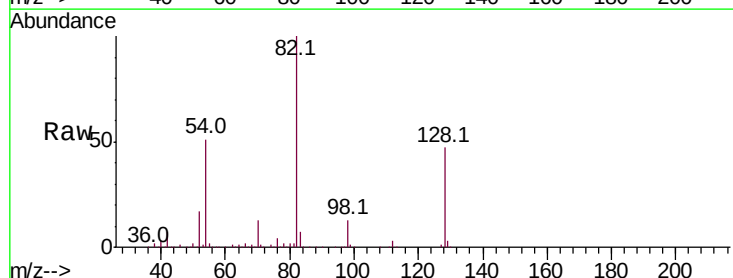
Ion Ratio Lower Upper

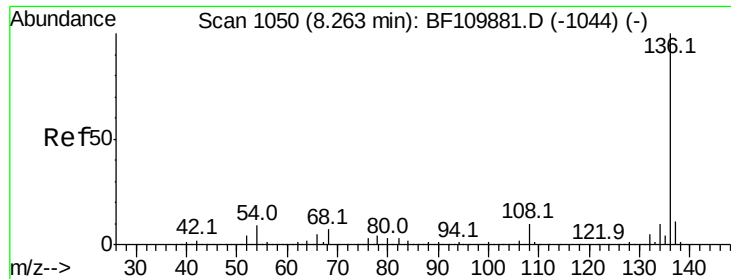
70 100

42 53.1 47.4 71.2

101 0.0 7.3 10.9#

130 2.3 16.2 24.2#

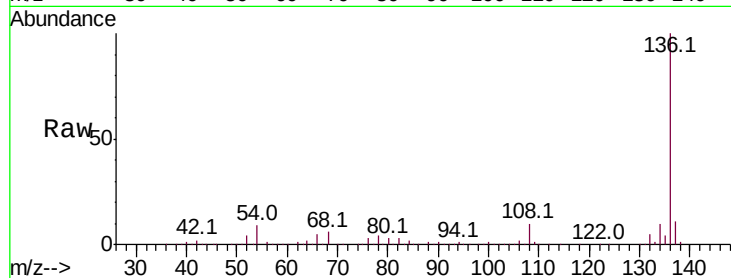




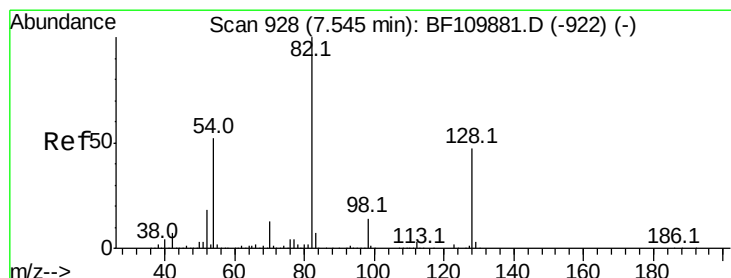
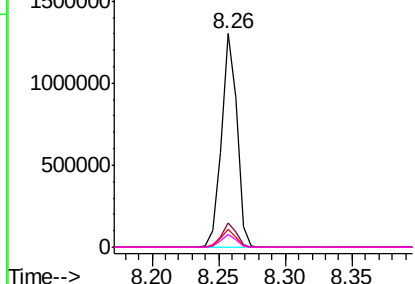
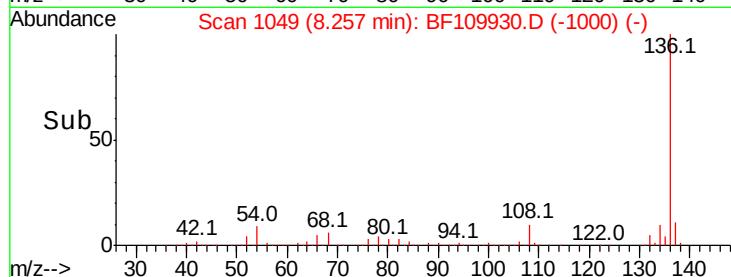
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.26 min Scan# 1049
Delta R.T. -0.01 min
Lab File: BF109930.D
Acq: 17 Oct 2018 19:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	1073628
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.8	13.2
54	8.6	5.4	8.2#
68	6.3	4.2	6.2#

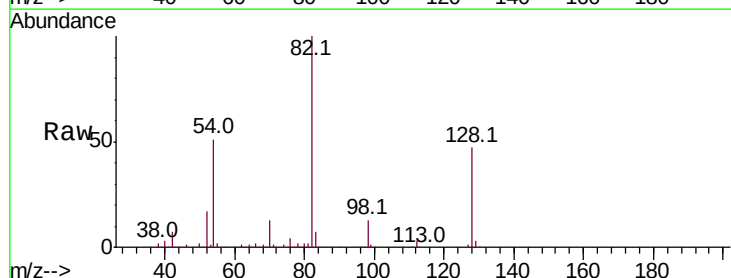


Abundance Ion 136.00 (135.70 to 136.70): E
2000000 Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

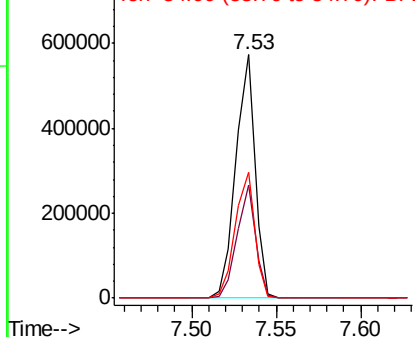
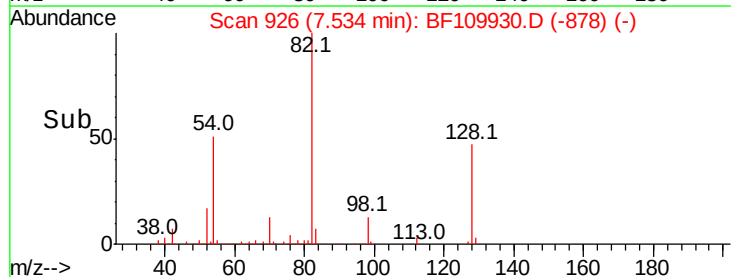


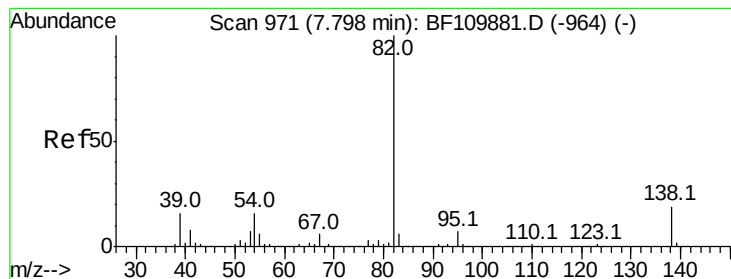
#23
Nitrobenzene-d5
Concen: 28.389 ng
RT: 7.53 min Scan# 926
Delta R.T. -0.02 min
Lab File: BF109930.D
Acq: 17 Oct 2018 19:54

Tgt Ion:	82	Resp:	452457
Ion	Ratio	Lower	Upper
82	100		
128	46.6	34.2	51.2
54	51.5	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: 14.451 ng

RT: 7.53 min Scan# 926

Delta R.T. -0.27 min

Lab File: BF109930.D

Acq: 17 Oct 2018 19:54

Instrument :

BNA_F

ClientSampleId :

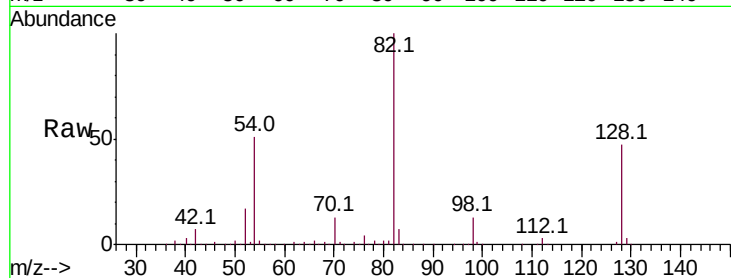
Tot Ion: 82 Resp: 452536

Ion Ratio Lower Upper

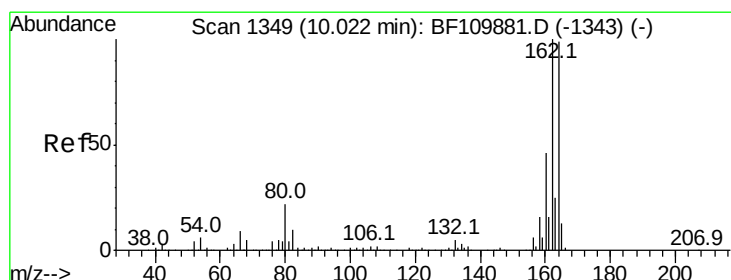
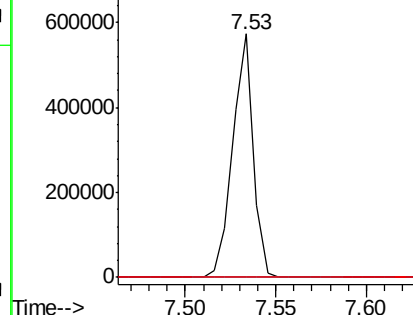
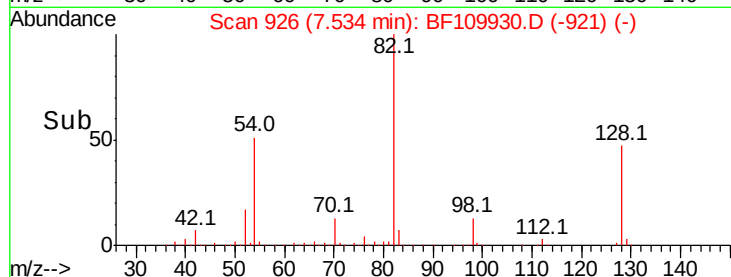
82 100

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: 10.02 min Scan# 1348

Delta R.T. -0.01 min

Lab File: BF109930.D

Acq: 17 Oct 2018 19:54

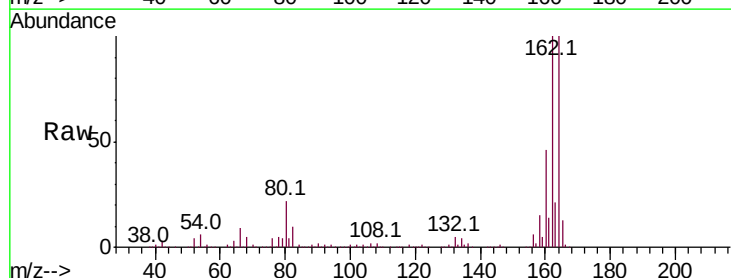
Tgt Ion:164 Resp: 469851

Ion Ratio Lower Upper

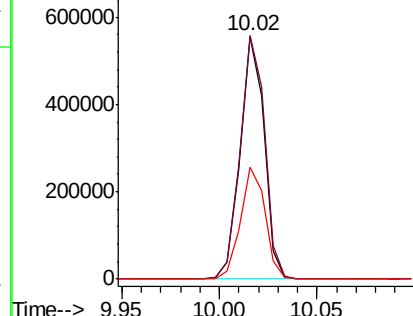
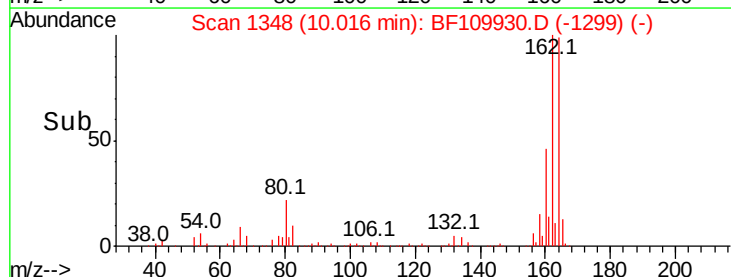
164 100

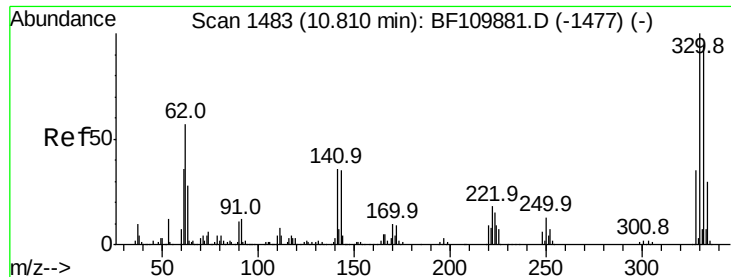
162 100.3 83.0 124.6

160 46.0 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

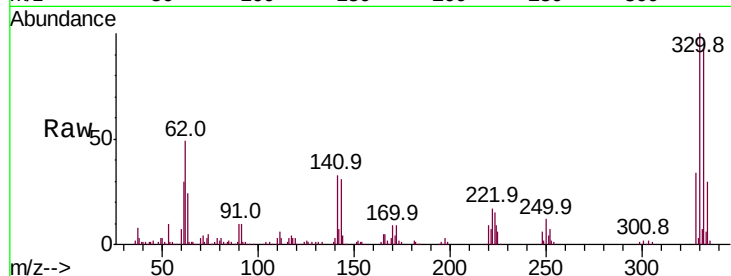




#42
 2,4,6-Tribromophenol
 Concen: 34.042 ng
 RT: 10.80 min Scan# 1482
 Delta R.T. -0.01 min
 Lab File: BF109930.D
 Acq: 17 Oct 2018 19:54

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.4	77.1	115.7
141	35.5	27.0	40.4

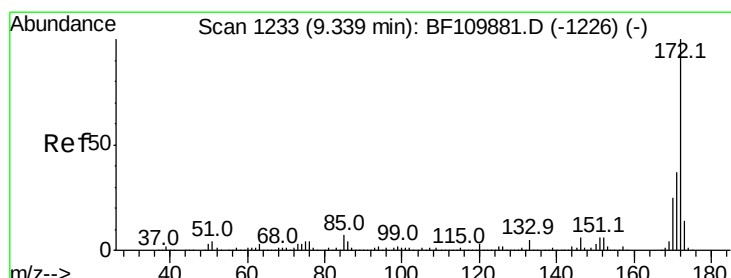
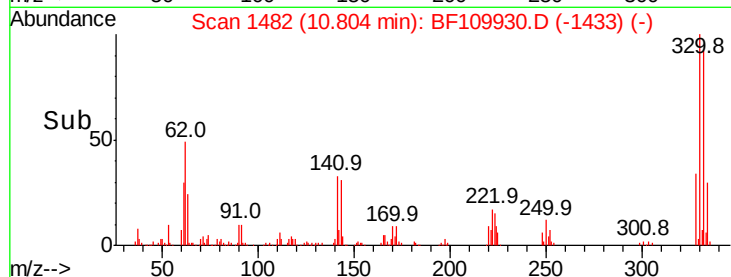
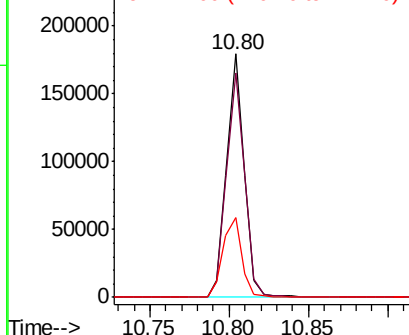


Abundance

Ion 329.80 (329.50 to 330.50): E

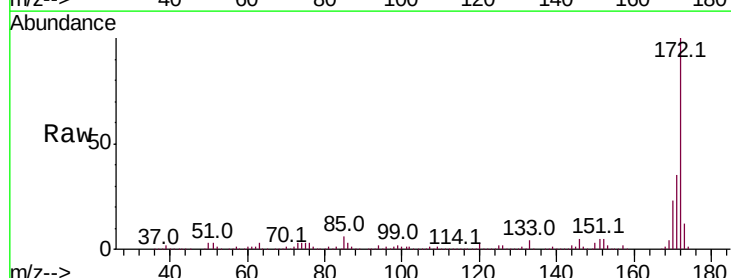
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 24.460 ng
 RT: 9.33 min Scan# 1232
 Delta R.T. -0.01 min
 Lab File: BF109930.D
 Acq: 17 Oct 2018 19:54

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.0	28.6	43.0
170	23.2	19.7	29.5

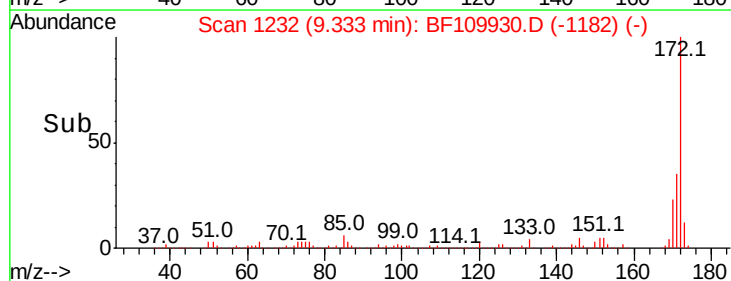
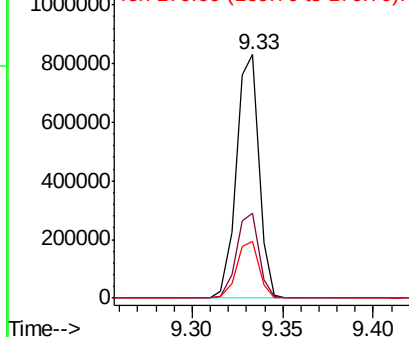


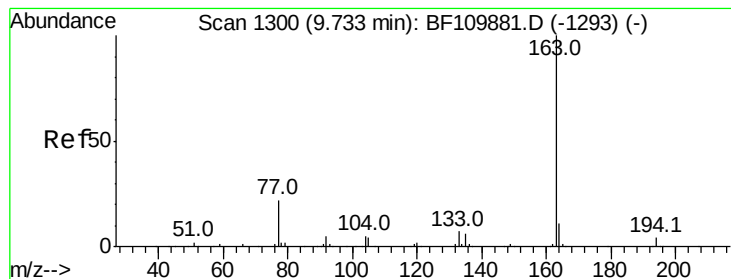
Abundance

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: 2.765 ng

RT: 9.72 min Scan# 1298

Delta R.T. -0.02 min

Lab File: BF109930.D

Acq: 17 Oct 2018 19:54

Instrument :

BNA_F

ClientSampleId :

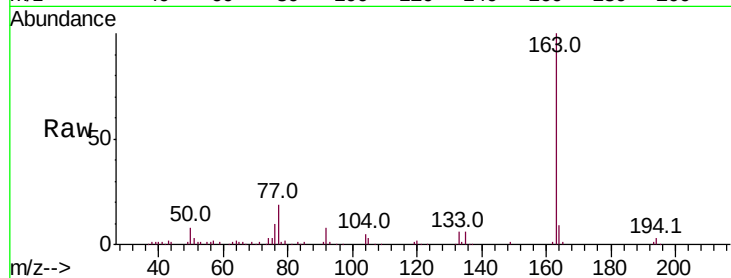
Tot Ion:163 Resp: 92007

Ion Ratio Lower Upper

163 100

194 3.5 3.2 4.8

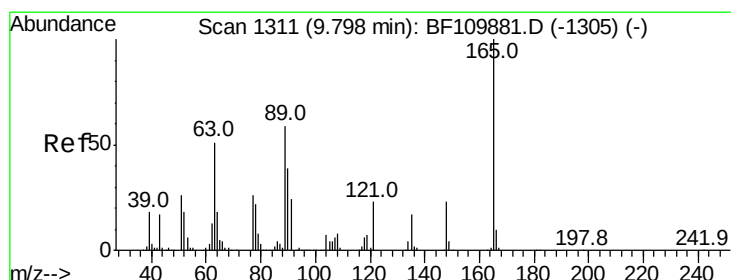
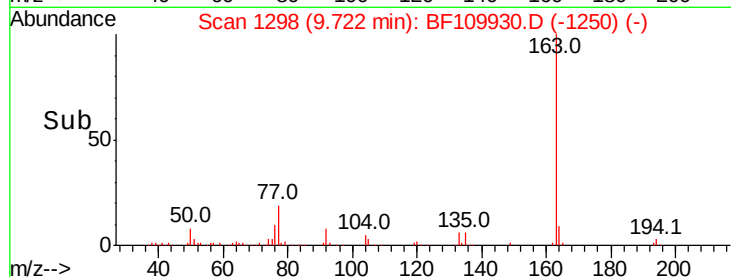
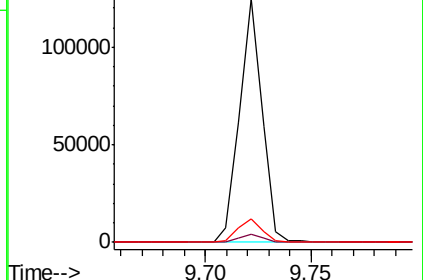
164 9.5 8.1 12.1



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: 9.623 ng

RT: 10.02 min Scan# 1348

Delta R.T. 0.21 min

Lab File: BF109930.D

Acq: 17 Oct 2018 19:54

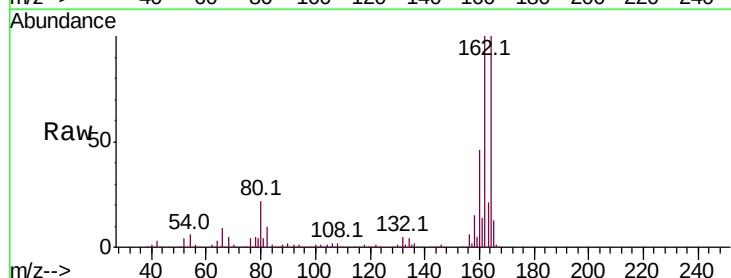
Tgt Ion:165 Resp: 60811

Ion Ratio Lower Upper

165 100

63 1.1 48.9 73.3#

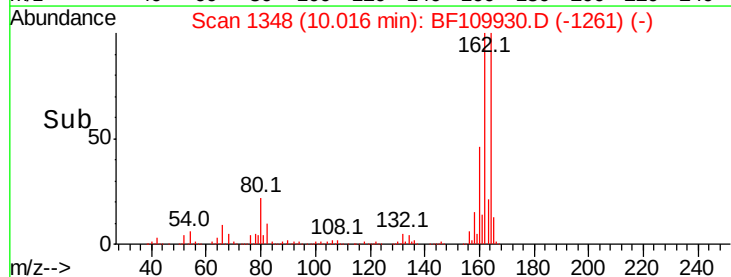
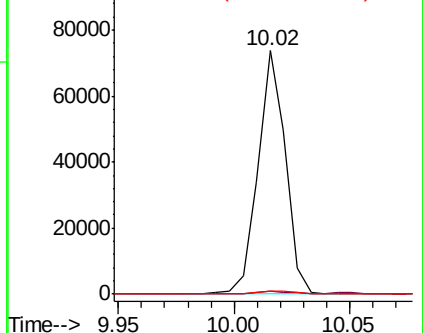
89 1.0 46.6 69.8#

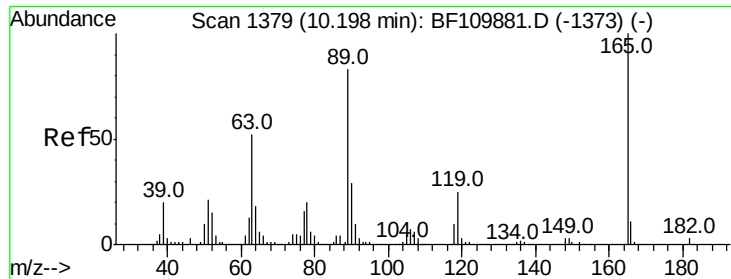


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

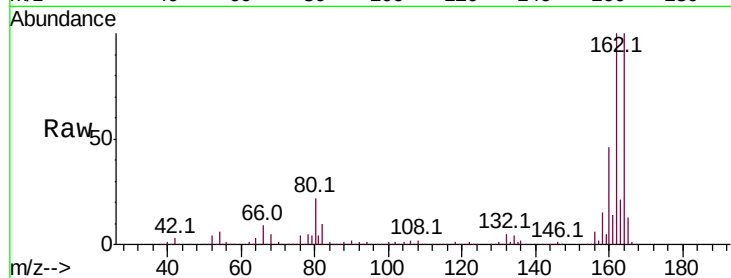




#57
 2,4-Dinitrotoluene
 Concen: 11.474 ng
 RT: 10.02 min Scan# 1348
 Delta R.T. -0.19 min
 Lab File: BF109930.D
 Acq: 17 Oct 2018 19:54

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	44.8	67.2#
89	1.0	62.2	93.4#
182	0.0	2.1	3.1#



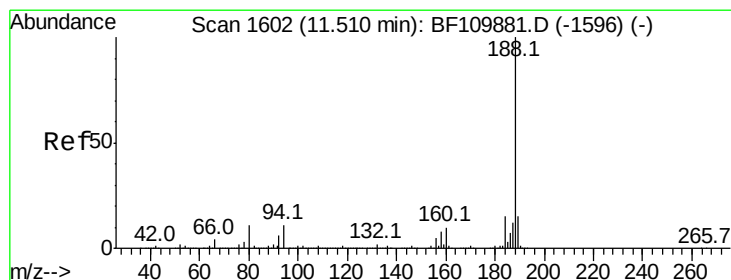
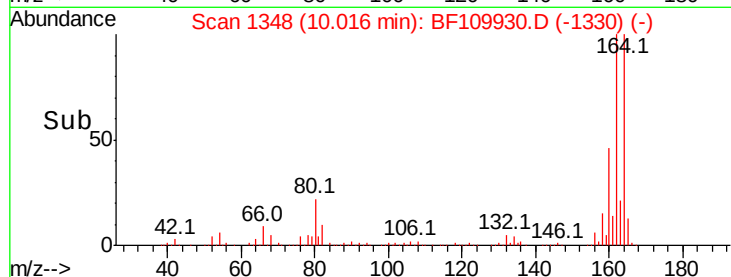
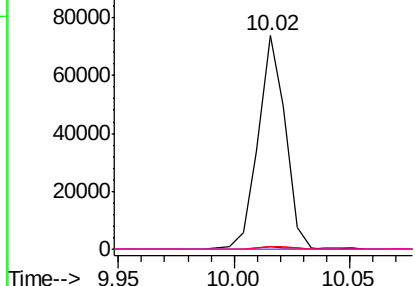
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

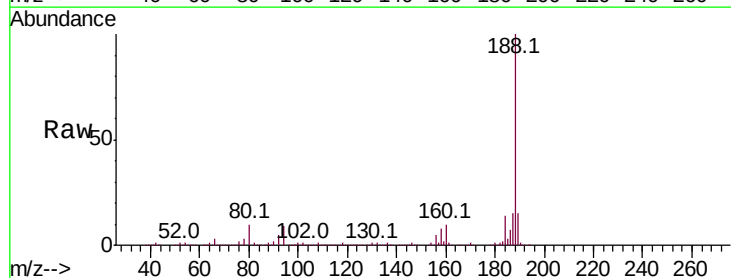
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.51 min Scan# 1602
 Delta R.T. -0.01 min
 Lab File: BF109930.D
 Acq: 17 Oct 2018 19:54

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.3	7.2	10.8
80	9.7	7.9	11.9

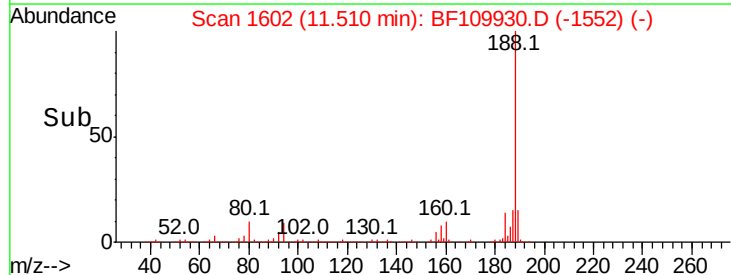
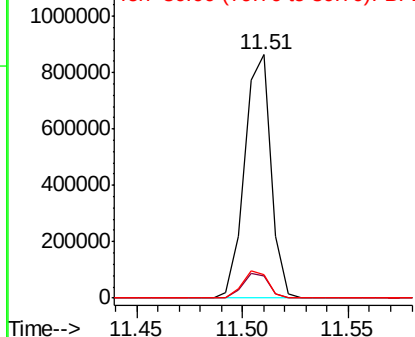


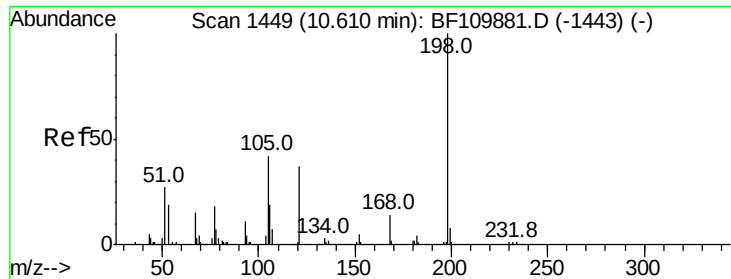
Abundance

Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#65

4,6-Dinitro-2-methylphenol

Concen: 7.944 ng

RT: 10.80 min Scan# 1482

Delta R.T. 0.18 min

Lab File: BF109930.D

Acq: 17 Oct 2018 19:54

Instrument :

BNA_F

ClientSampleId :

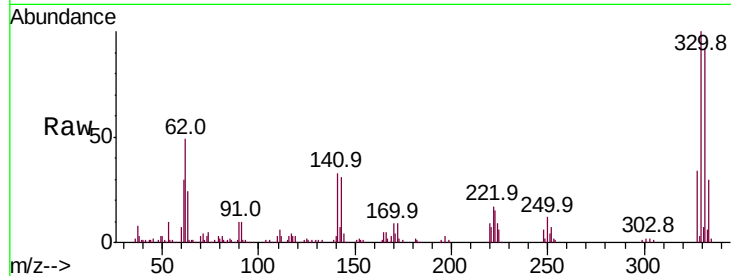
Tot Ion:198 Resp: 129

Ion Ratio Lower Upper

198 100

51 293.7 22.8 62.8#

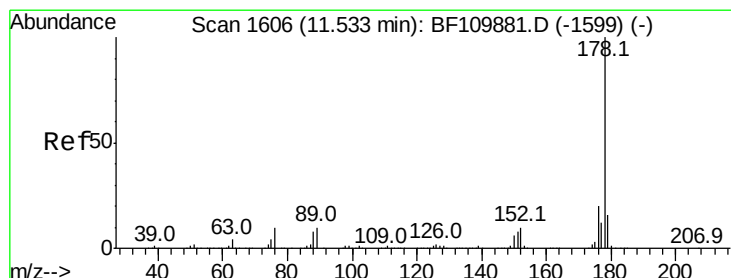
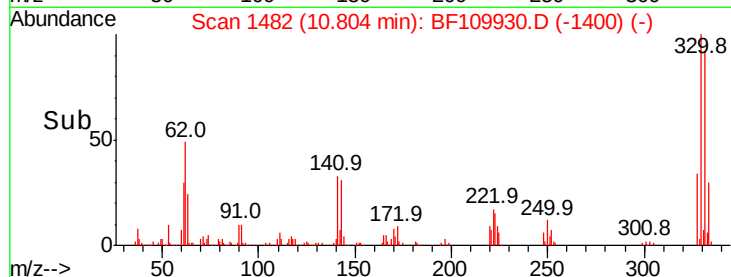
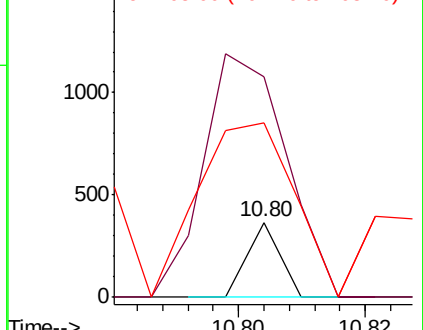
105 233.1 23.6 63.6#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#71

Phenanthrene

Concen: 3.021 ng

RT: 11.53 min Scan# 1605

Delta R.T. -0.02 min

Lab File: BF109930.D

Acq: 17 Oct 2018 19:54

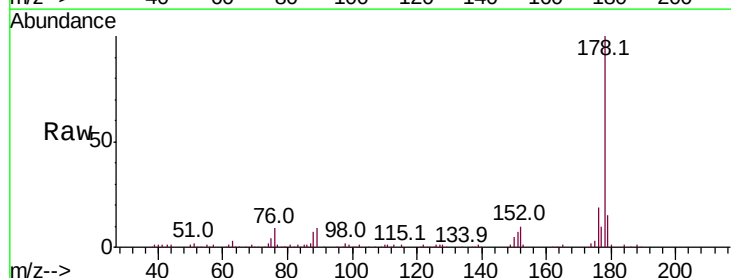
Tgt Ion:178 Resp: 116680

Ion Ratio Lower Upper

178 100

176 18.8 15.5 23.3

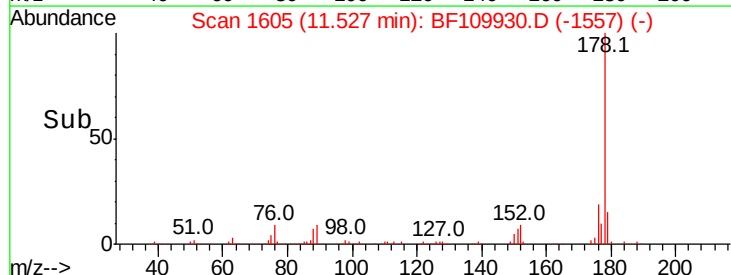
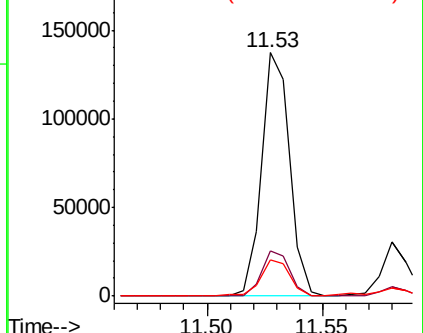
179 15.0 12.5 18.7

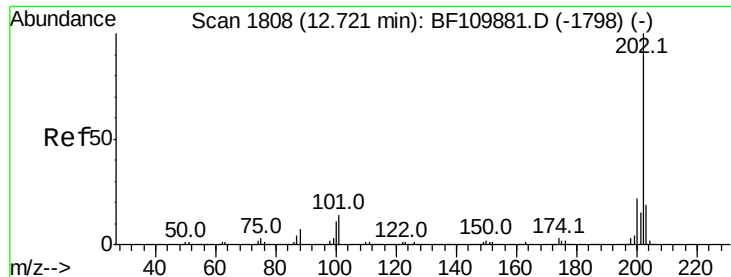


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 3.468 ng

RT: 12.72 min Scan# 1808

Delta R.T. -0.01 min

Lab File: BF109930.D

Acq: 17 Oct 2018 19:54

Instrument :

BNA_F

ClientSampleId :

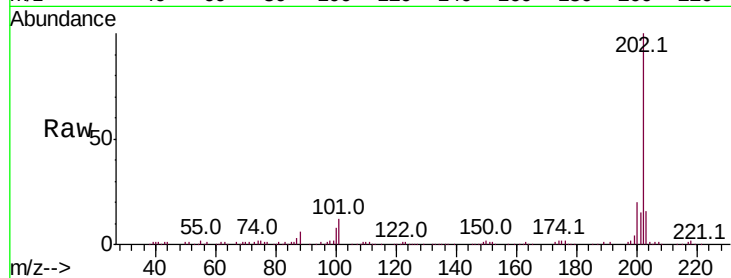
Tot Ion:202 Resp: 133788

Ion Ratio Lower Upper

202 100

101 12.5 0.0 31.4

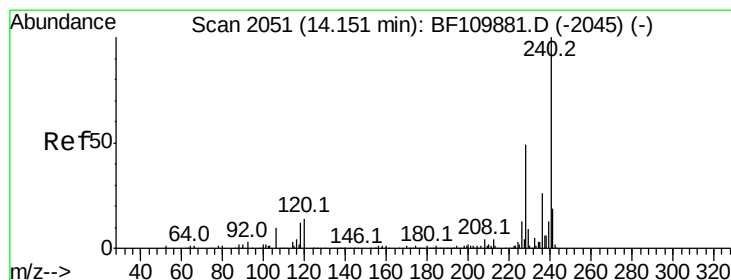
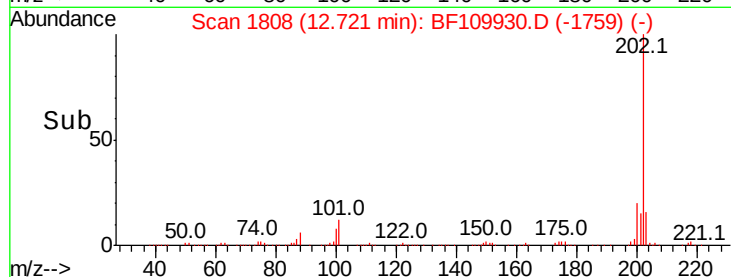
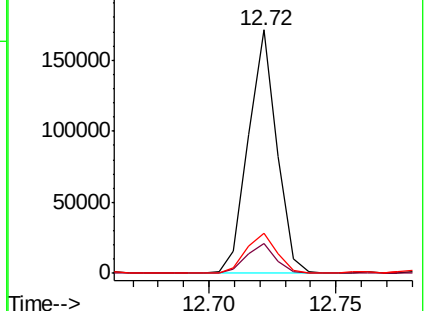
203 16.5 0.0 37.7



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: BF109930.D

Acq: 17 Oct 2018 19:54

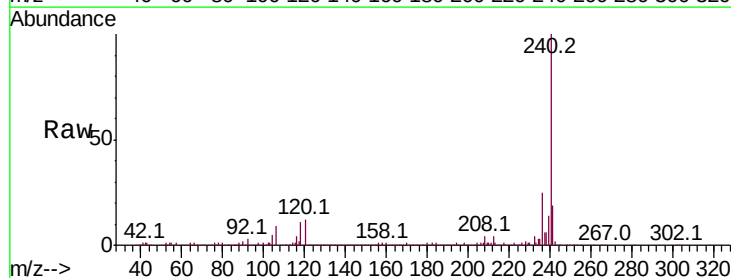
Tgt Ion:240 Resp: 613535

Ion Ratio Lower Upper

240 100

120 12.4 8.3 12.5

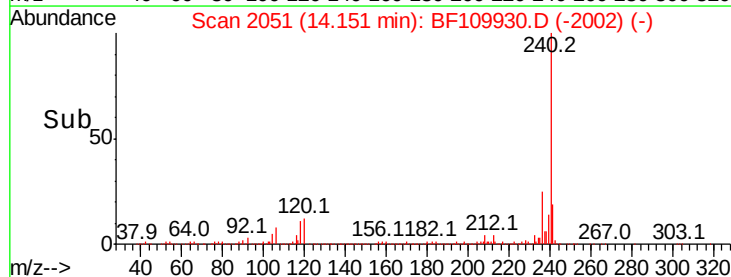
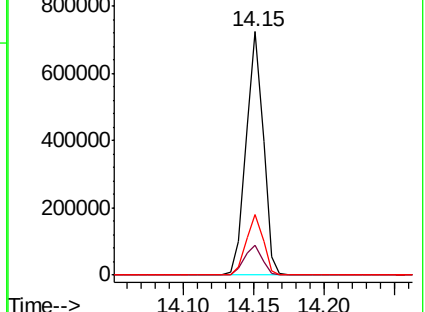
236 24.8 21.2 31.8

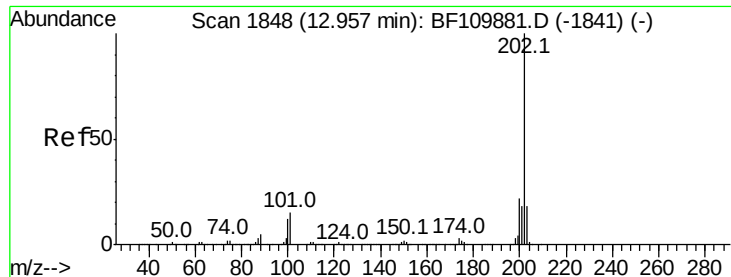


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

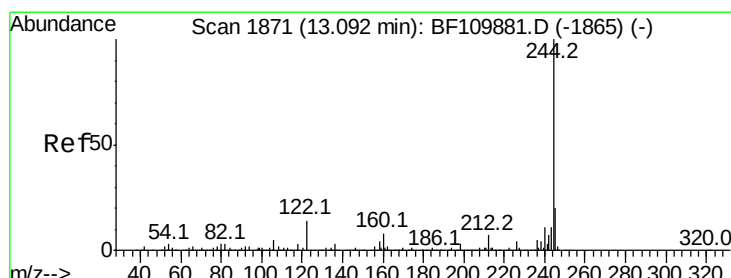
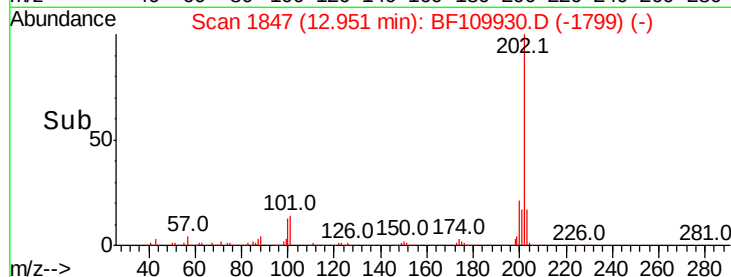
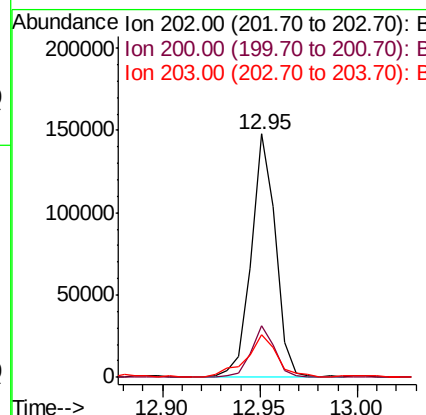
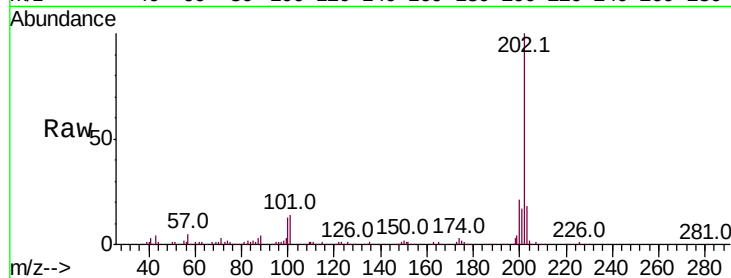




#78
Pvrene
Concen: 2.837 ng
RT: 12.95 min Scan# 1847
Delta R.T. -0.02 min
Lab File: BF109930.D
Acq: 17 Oct 2018 19:54

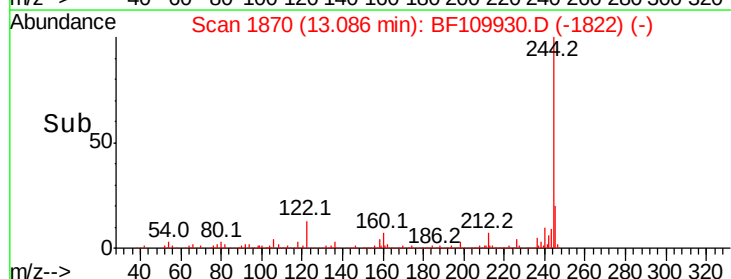
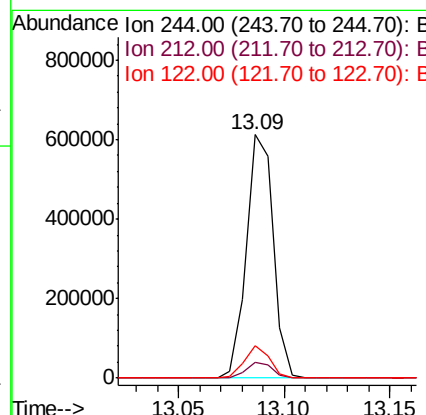
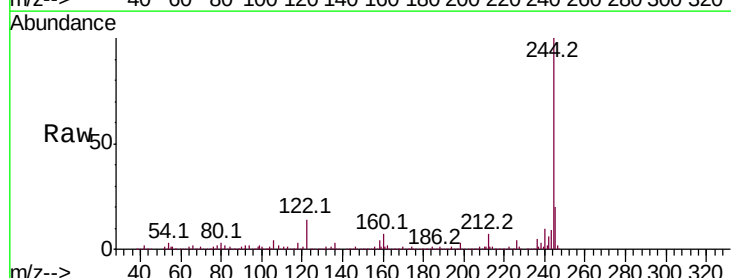
Instrument :
BNA_F
ClientSampleId :

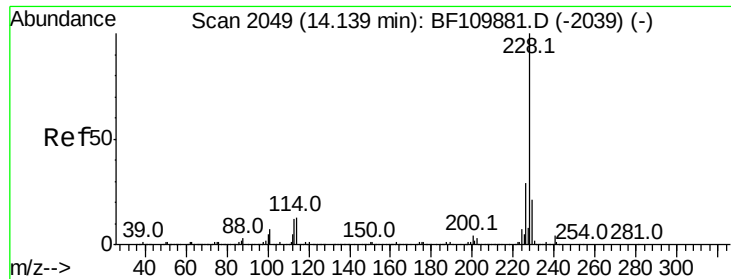
Tot Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.8	26.6
203	17.8	14.2	21.4



#79
Terphenyl-d14
Concen: 18.413 ng
RT: 13.09 min Scan# 1870
Delta R.T. -0.02 min
Lab File: BF109930.D
Acq: 17 Oct 2018 19:54

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.8	8.8
122	13.5	8.7	13.1#

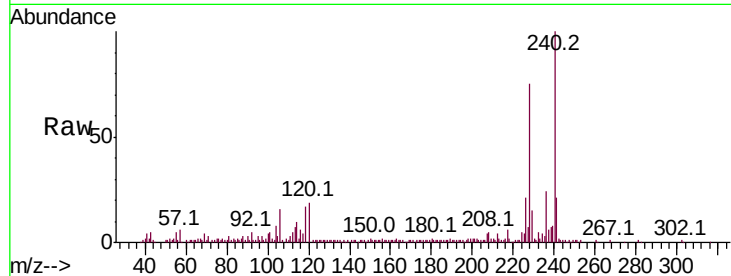




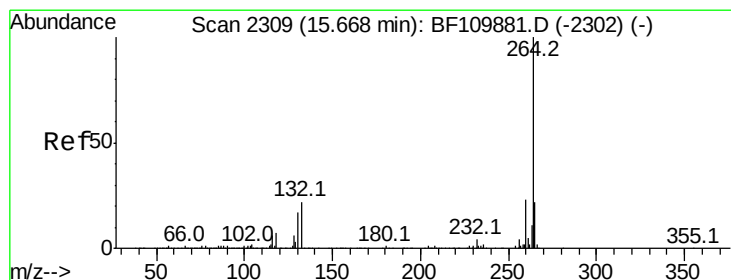
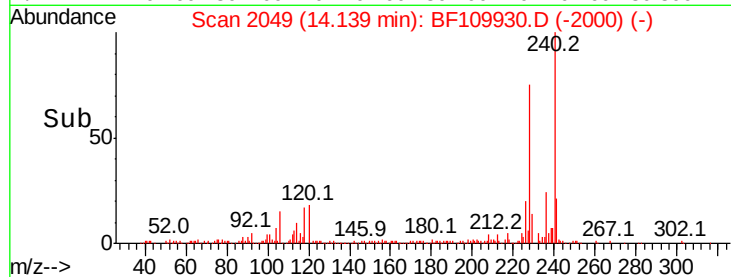
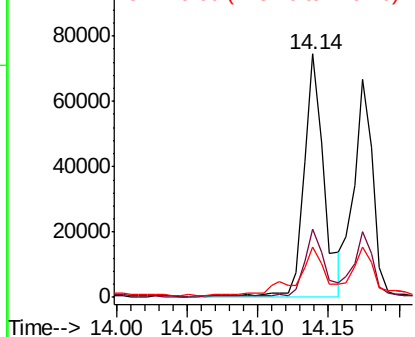
#81
Benzo(a)anthracene
Concen: 2.029 ng
RT: 14.14 min Scan# 2049
Delta R.T. -0.01 min
Lab File: BF109930.D
Acq: 17 Oct 2018 19:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 73337
Ion Ratio Lower Upper
228 100
226 28.3 22.1 33.1
229 20.6 15.6 23.4

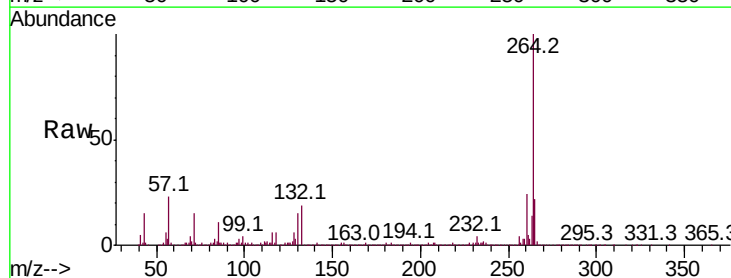


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

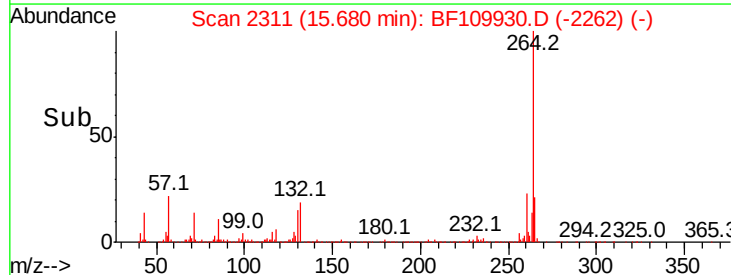
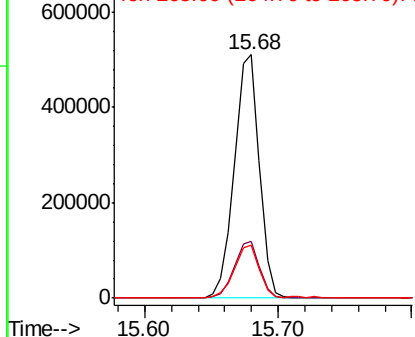


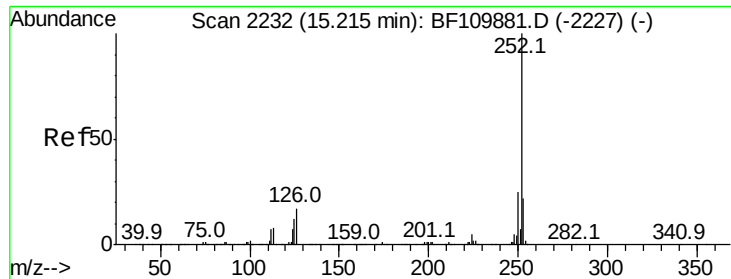
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.68 min Scan# 2311
Delta R.T. -0.01 min
Lab File: BF109930.D
Acq: 17 Oct 2018 19:54

Tgt Ion:264 Resp: 669183
Ion Ratio Lower Upper
264 100
260 23.5 18.7 28.1
265 21.5 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

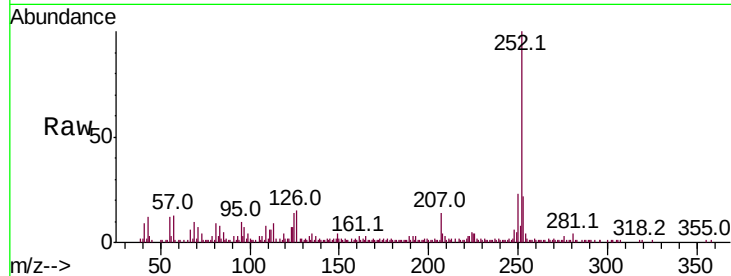




#88
Benzo(b)fluoranthene
Concen: 3.102 ng
RT: 15.22 min Scan# 2233
Delta R.T. -0.01 min
Lab File: BF109930.D
Acq: 17 Oct 2018 19:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.2	25.8
125	13.5	8.2	12.4

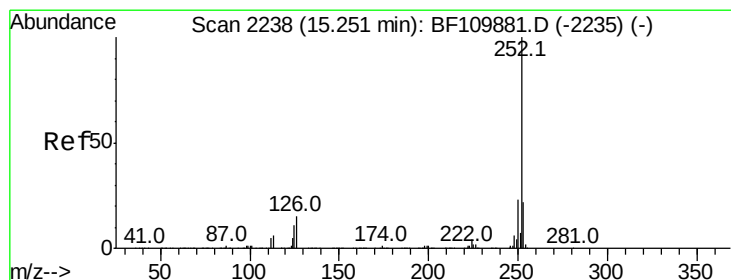
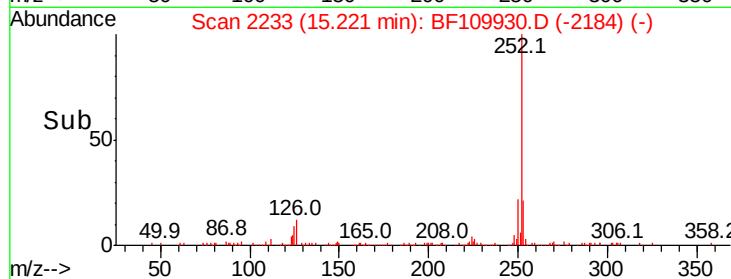
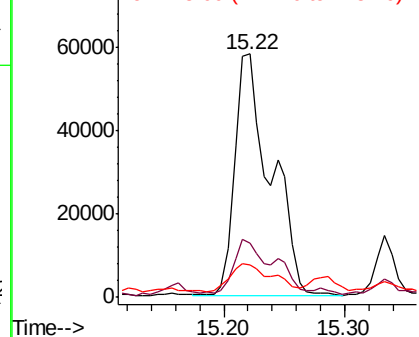


Abundance

Ion 252.00 (251.70 to 252.70): E

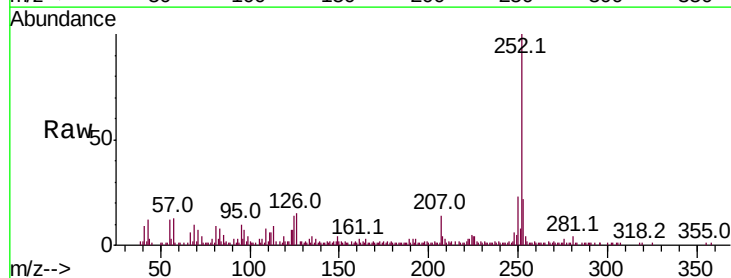
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89
Benzo(k)fluoranthene
Concen: 3.147 ng
RT: 15.22 min Scan# 2233
Delta R.T. -0.05 min
Lab File: BF109930.D
Acq: 17 Oct 2018 19:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.2	25.8
125	13.5	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

