

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101518\
 Data File : BF109897.D
 Acq On : 15 Oct 2018 23:28
 Operator : JU/SJ
 Sample : J5198-11 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 16 01:26:29 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 15 18:09:48 2018
 Response via : Initial Calibration

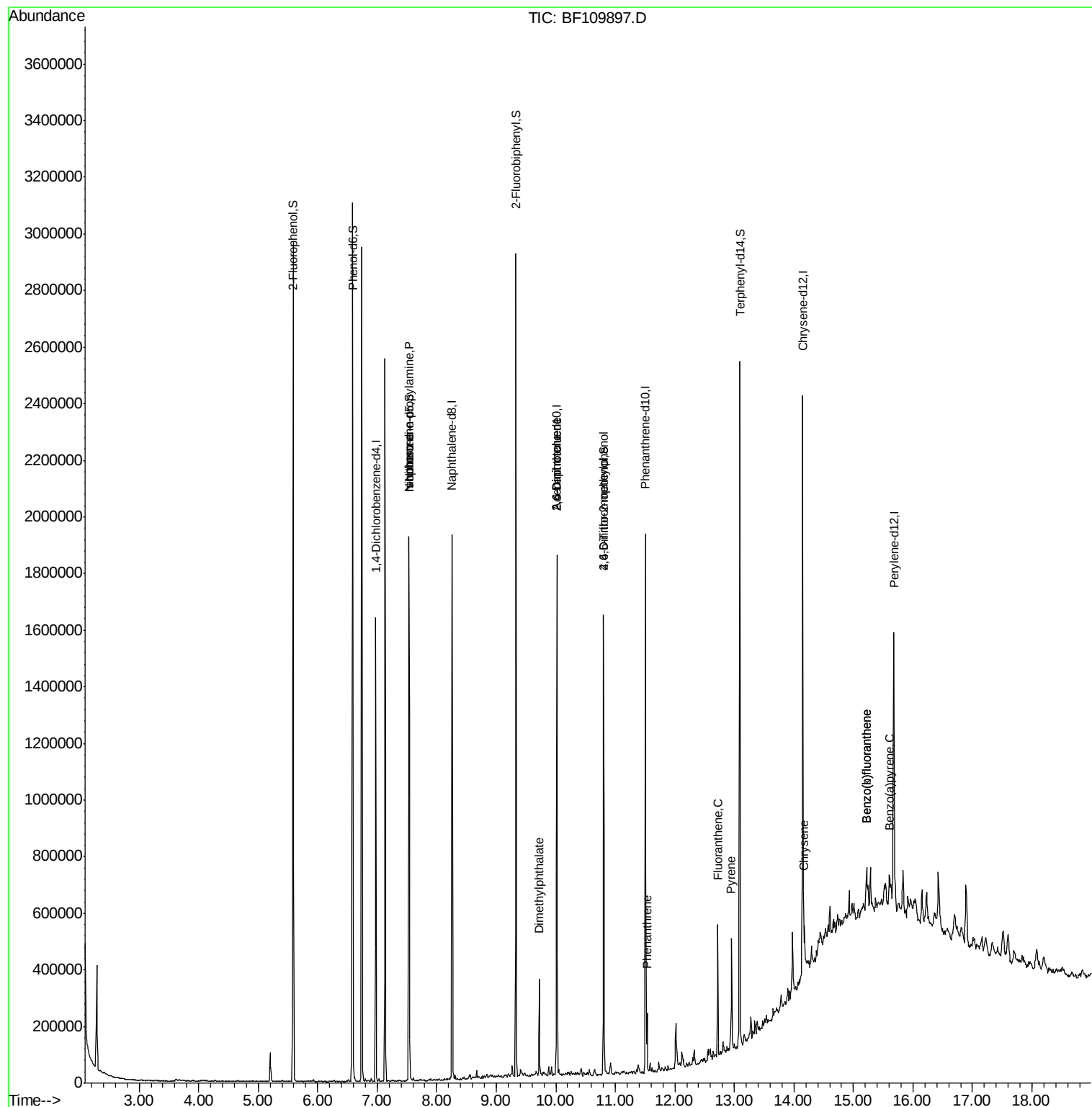
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.98	152	240326	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	873980	20.00	ng	0.00
39) Acenaphthene-d10	10.02	164	349660	20.00	ng	0.00
64) Phenanthrene-d10	11.51	188	628791	20.00	ng	0.00
76) Chrysene-d12	14.15	240	634719	20.00	ng	0.00
87) Perylene-d12	15.68	264	434293	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	802380	52.92	ng	0.00
7) Phenol-d6	6.59	99	970838	51.57	ng	0.00
23) Nitrobenzene-d5	7.53	82	546168	42.10	ng	-0.01
42) 2,4,6-Tribromophenol	10.80	330	165399	54.64	ng	0.00
45) 2-Fluorobiphenyl	9.33	172	796312	36.34	ng	0.00
79) Terphenyl-d14	13.09	244	726465	24.03	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.53	70	71342	5.902	ng	# 84
25) Isophorone	7.53	82	546160	21.424	ng	# 67
50) Dimethylphthalate	9.72	163	95037	3.838	ng	99
51) 2,6-Dinitrotoluene	10.02	165	44820	9.531	ng	# 23
57) 2,4-Dinitrotoluene	10.02	165	44820	11.408	ng	# 19
65) 4,6-Dinitro-2-methylphenol	10.80	198	299	8.014	ng	# 1
71) Phenanthrene	11.53	178	74279	2.282	ng	97
75) Fluoranthene	12.72	202	162770	5.005	ng	97
78) Pyrene	12.95	202	150757	3.234	ng	98
83) Chrysene	14.17	228	77286	2.172	ng	96
88) Benzo(b)fluoranthene	15.22	252	100314	4.006	ng	# 84
89) Benzo(k)fluoranthene	15.22	252	100314	4.065	ng	# 84
90) Benzo(a)pyrene	15.60	252	47620	2.068	ng	# 88

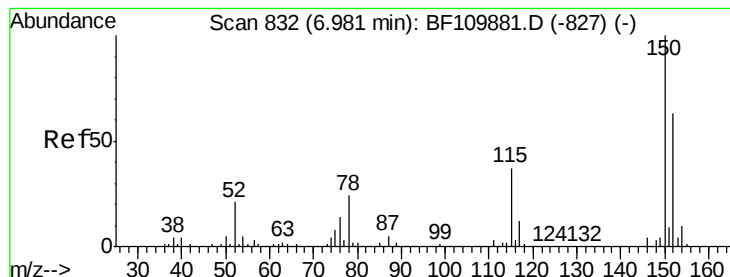
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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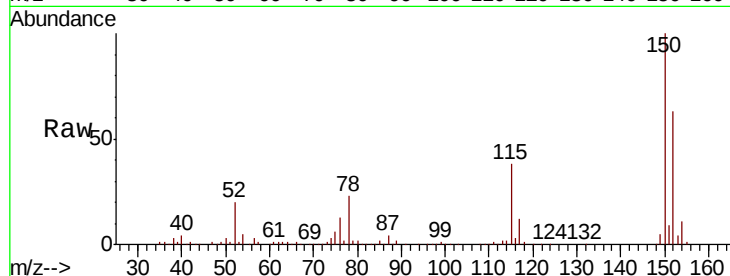


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.98 min Scan# 832
Delta R.T. -0.00 min
Lab File: BF109897.D
Acq: 15 Oct 2018 23:28

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.5	122.7	184.1
115	59.5	49.1	73.7

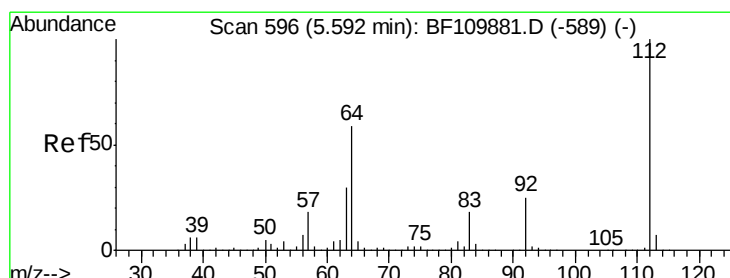
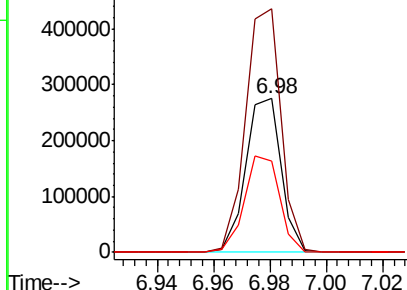
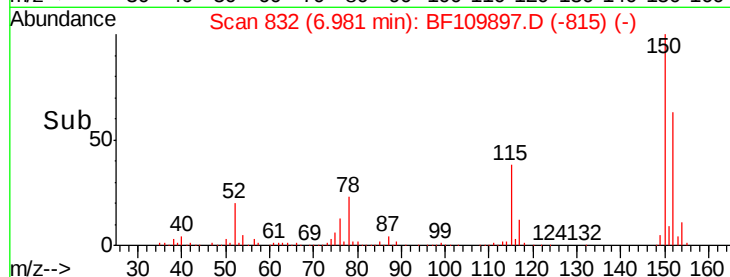


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

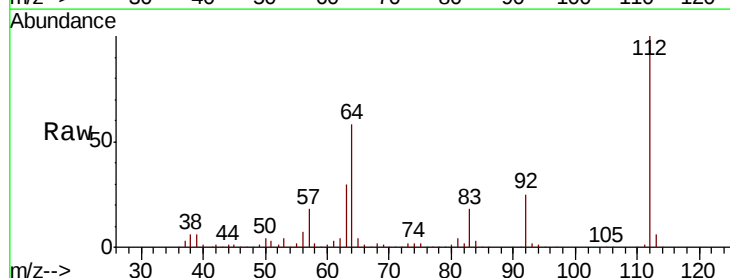
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 52.923 ng
RT: 5.59 min Scan# 596
Delta R.T. 0.00 min
Lab File: BF109897.D
Acq: 15 Oct 2018 23:28

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.1	44.1	66.1
63	30.1	23.7	35.5

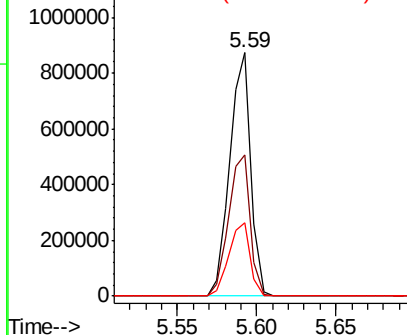
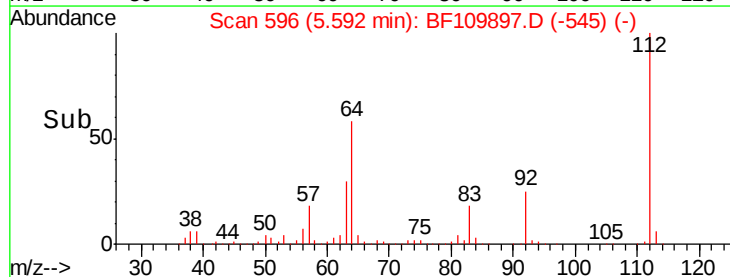


Abundance

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: 51.568 ng

RT: 6.59 min Scan# 765

Delta R.T. -0.01 min

Lab File: BF109897.D

Acq: 15 Oct 2018 23:28

Instrument :

BNA_F

ClientSampled :

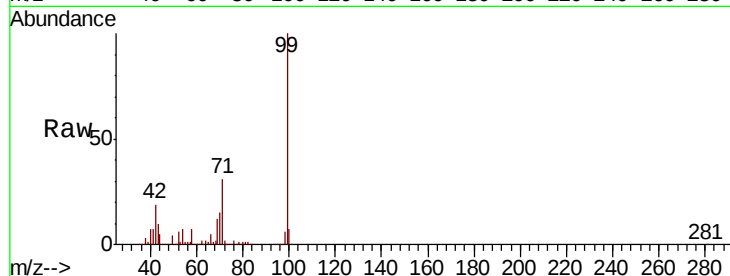
Tot Ion: 99 Resp: 970838

Ion Ratio Lower Upper

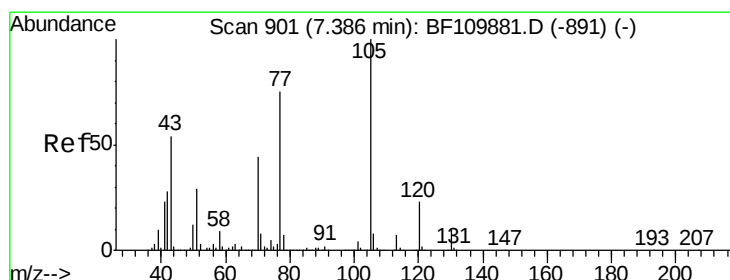
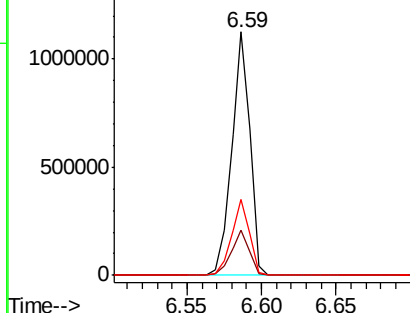
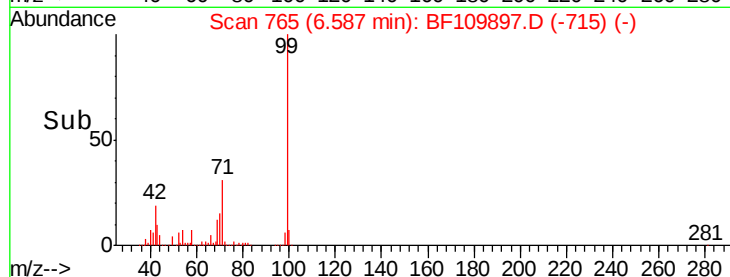
99 100

42 18.8 15.8 23.6

71 31.3 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: 5.902 ng

RT: 7.53 min Scan# 926

Delta R.T. 0.15 min

Lab File: BF109897.D

Acq: 15 Oct 2018 23:28

Tgt Ion: 70 Resp: 71342

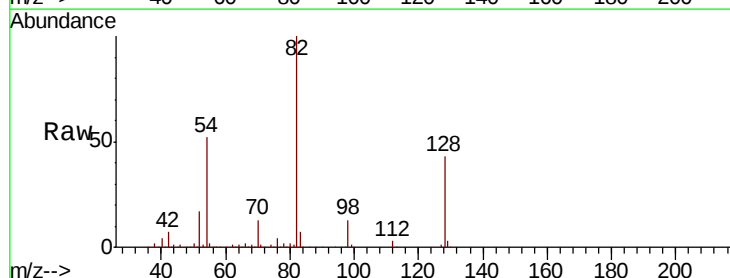
Ion Ratio Lower Upper

70 100

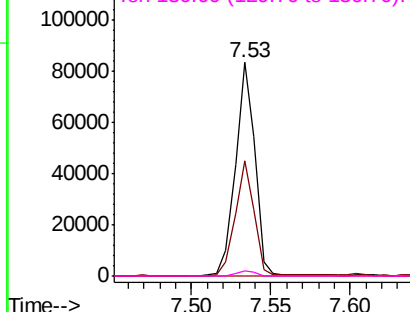
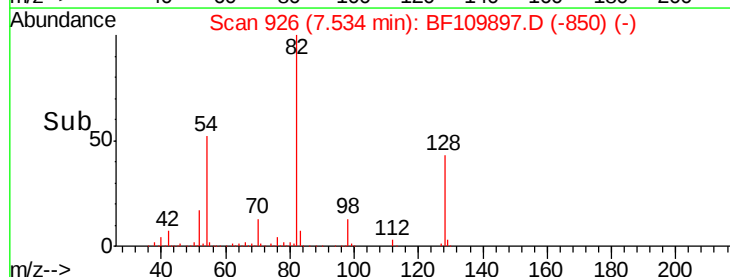
42 53.8 47.4 71.2

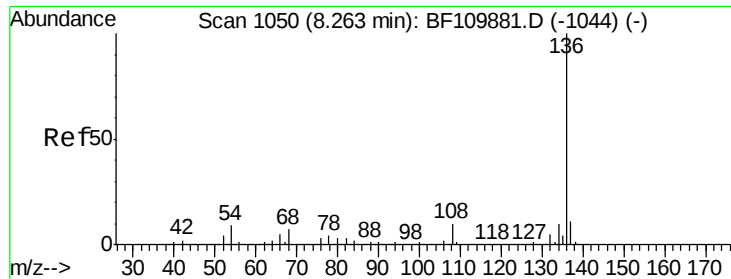
101 0.0 7.3 10.9#

130 2.3 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: 8.26 min Scan# 1050

Delta R.T. -0.00 min

Lab File: BF109897.D

Acq: 15 Oct 2018 23:28

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 873980

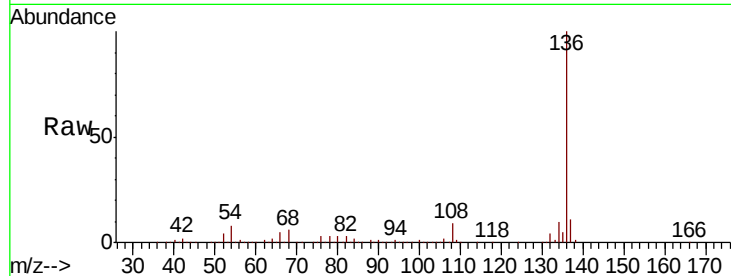
Ion Ratio Lower Upper

136 100

137 10.5 8.8 13.2

54 7.8 5.4 8.2

68 5.9 4.2 6.2

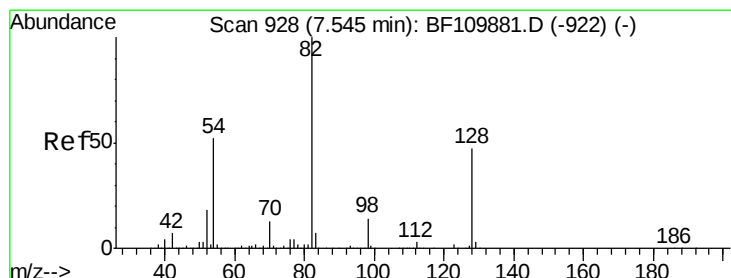
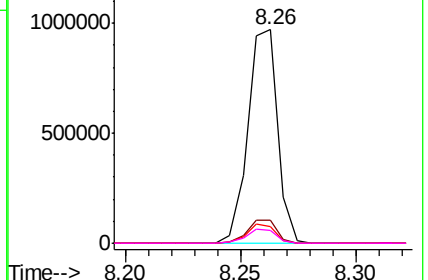
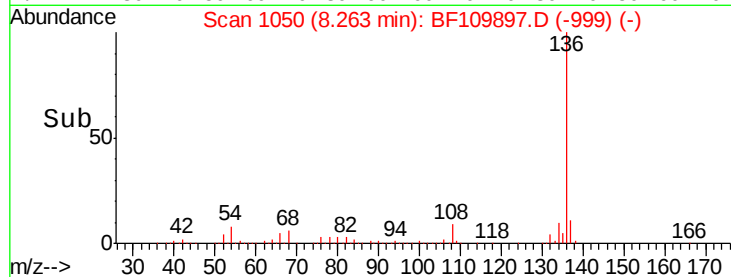


Abundance Ion 136.00 (135.70 to 136.70): E

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: 42.097 ng

RT: 7.53 min Scan# 926

Delta R.T. -0.01 min

Lab File: BF109897.D

Acq: 15 Oct 2018 23:28

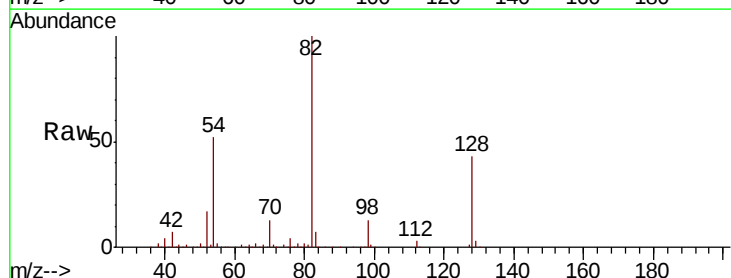
Tgt Ion: 82 Resp: 546168

Ion Ratio Lower Upper

82 100

128 43.5 34.2 51.2

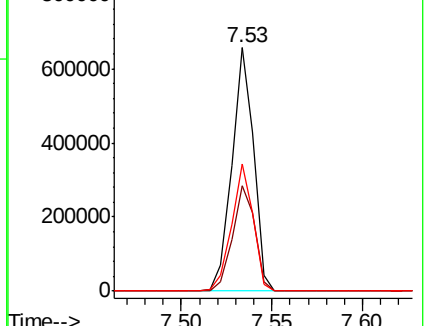
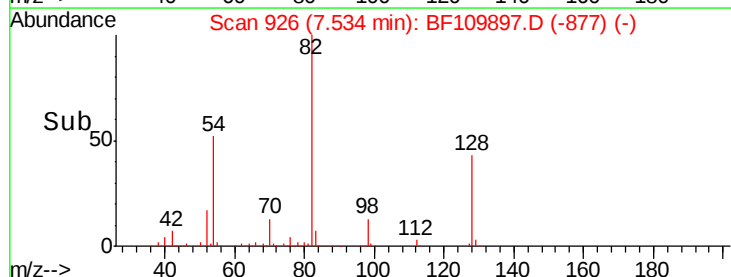
54 52.5 38.6 58.0

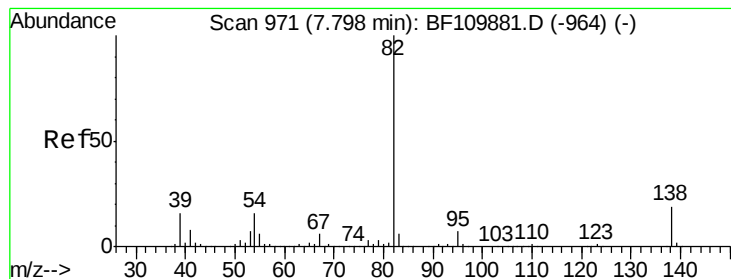


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 21.424 ng

RT: 7.53 min Scan# 926

Delta R.T. -0.26 min

Lab File: BF109897.D

Acq: 15 Oct 2018 23:28

Instrument :

BNA_F

ClientSampled :

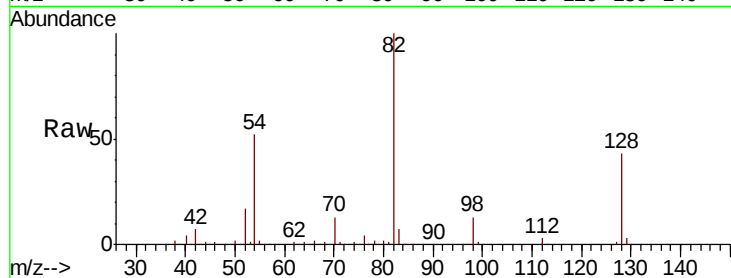
Tot Ion: 82 Resp: 546160

Ion Ratio Lower Upper

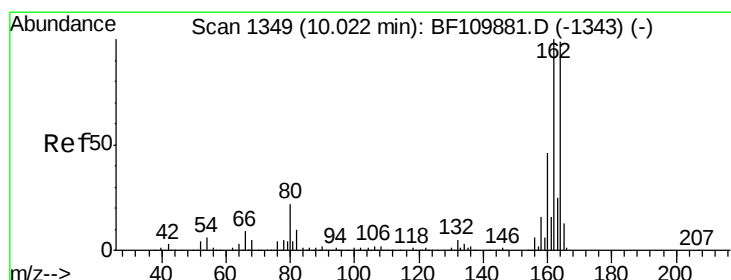
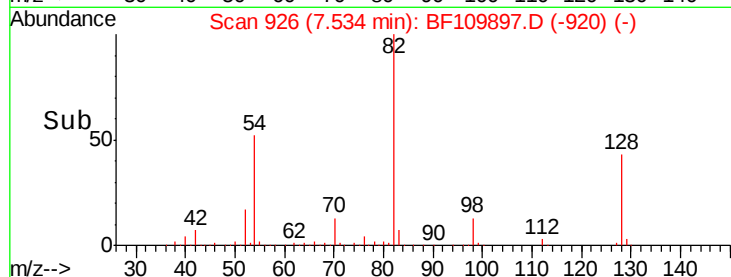
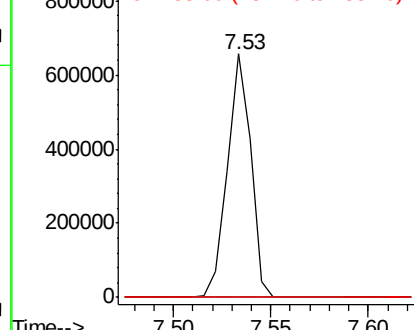
82 100

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): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.02 min Scan# 1348

Delta R.T. -0.01 min

Lab File: BF109897.D

Acq: 15 Oct 2018 23:28

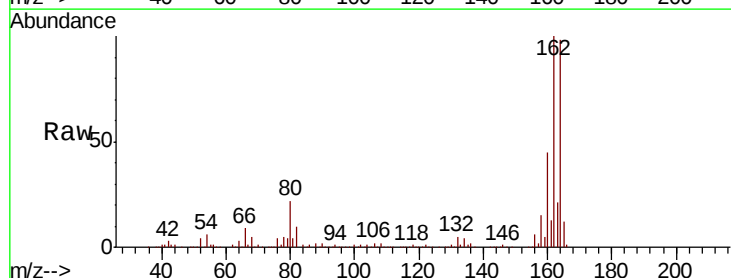
Tgt Ion:164 Resp: 349660

Ion Ratio Lower Upper

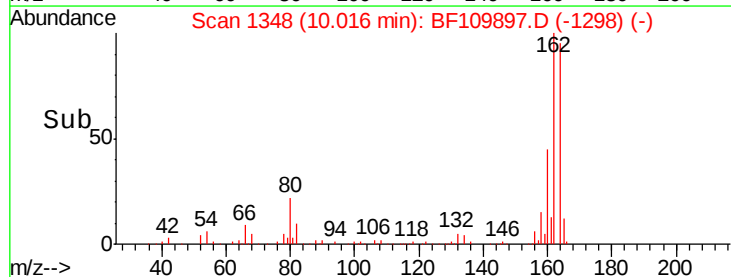
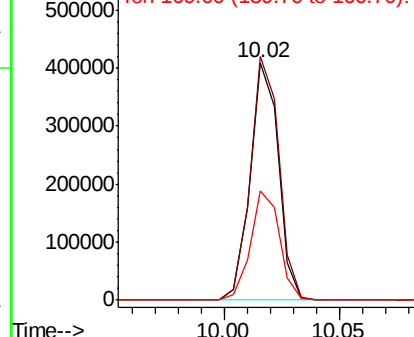
164 100

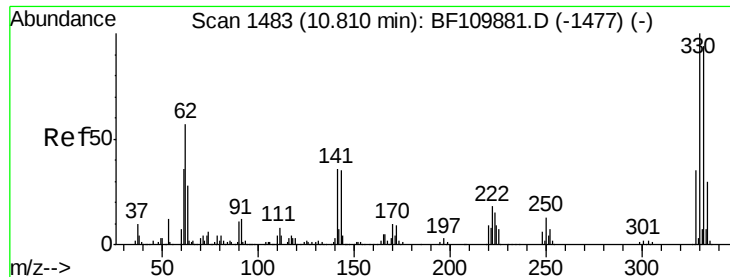
162 102.5 83.0 124.6

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

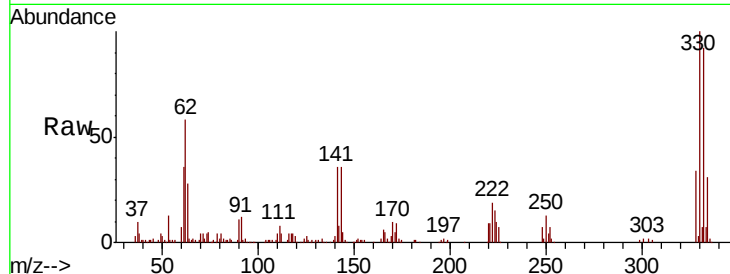




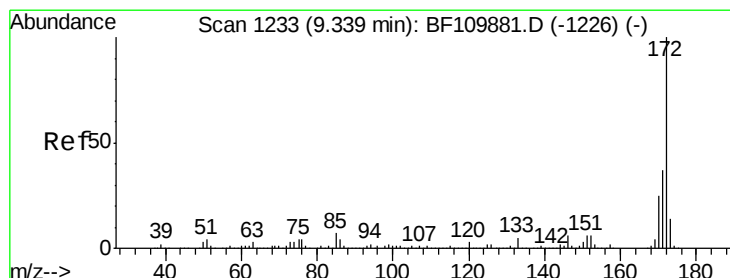
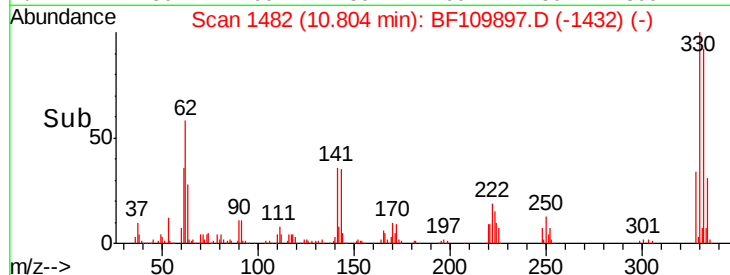
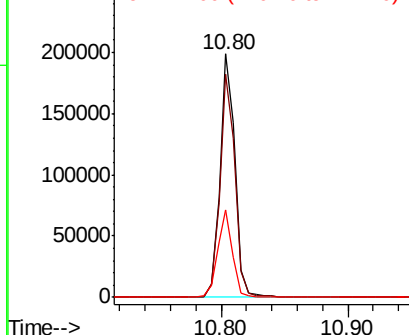
#42
 2,4,6-Tribromophenol
 Concen: 54.636 ng
 RT: 10.80 min Scan# 1482
 Delta R.T. -0.01 min
 Lab File: BF109897.D
 Acq: 15 Oct 2018 23:28

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	92.7	77.1	115.7
141	36.6	27.0	40.4

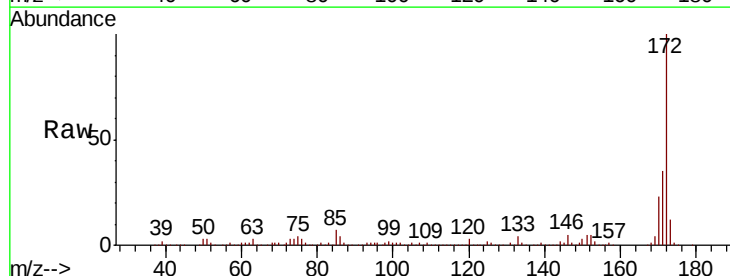


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

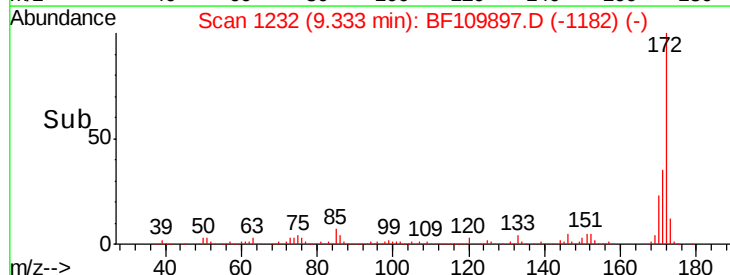
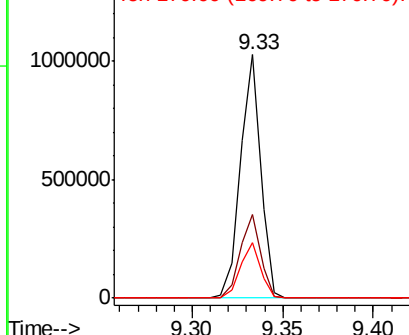


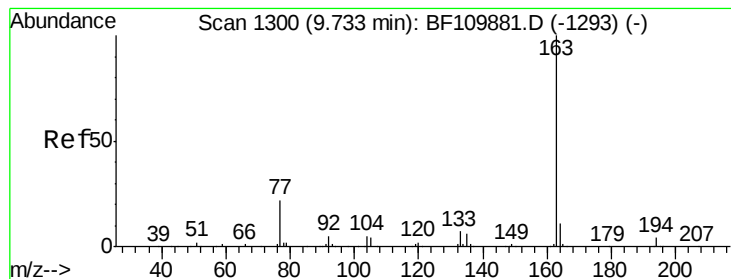
#45
 2-Fluorobiphenyl
 Concen: 36.339 ng
 RT: 9.33 min Scan# 1232
 Delta R.T. -0.01 min
 Lab File: BF109897.D
 Acq: 15 Oct 2018 23:28

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.5	28.6	43.0
170	22.9	19.7	29.5



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





#50

Dimethylphthalate

Concen: 3.838 ng

RT: 9.72 min Scan# 1298

Delta R.T. -0.01 min

Lab File: BF109897.D

Acq: 15 Oct 2018 23:28

Instrument :

BNA_F

ClientSampleId :

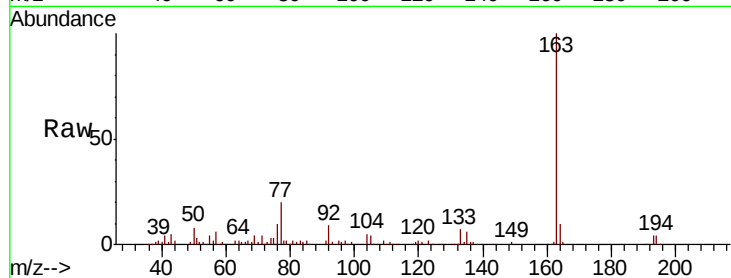
Tot Ion:163 Resp: 95037

Ion Ratio Lower Upper

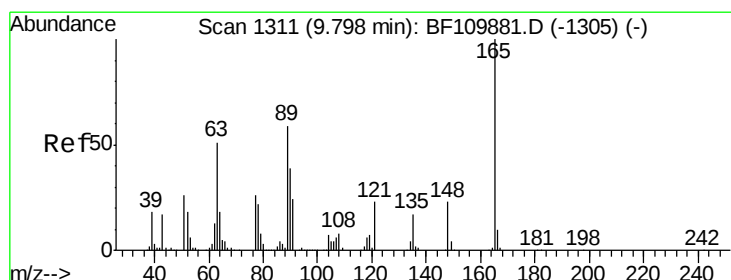
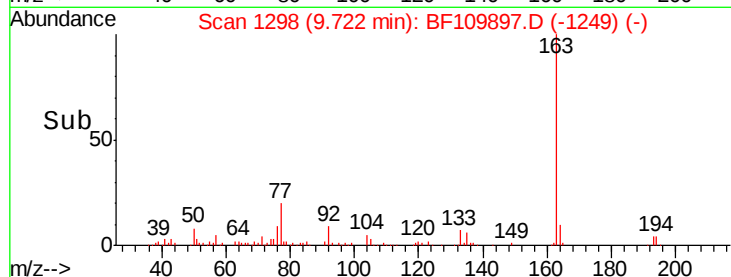
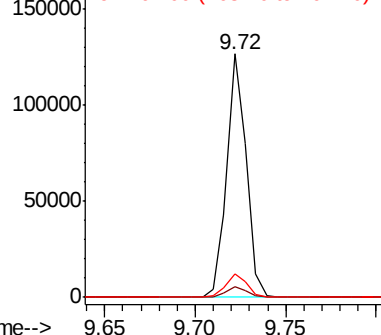
163 100

194 4.1 3.2 4.8

164 9.7 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: 9.531 ng

RT: 10.02 min Scan# 1348

Delta R.T. 0.22 min

Lab File: BF109897.D

Acq: 15 Oct 2018 23:28

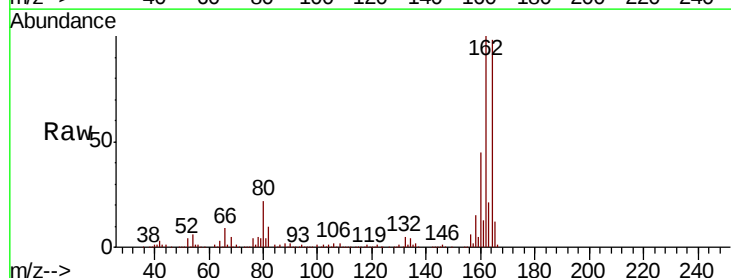
Tgt Ion:165 Resp: 44820

Ion Ratio Lower Upper

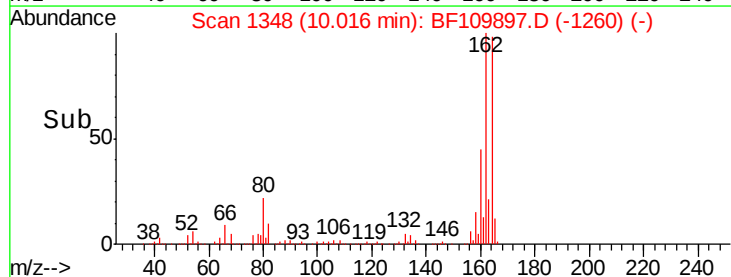
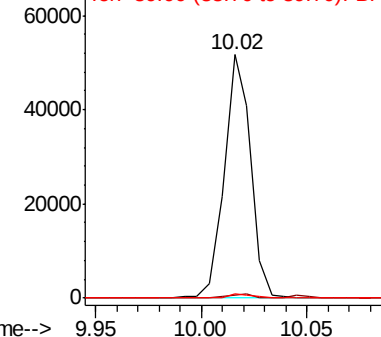
165 100

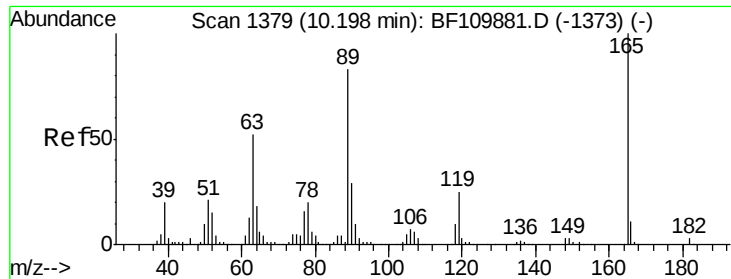
63 1.4 48.9 73.3#

89 1.7 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

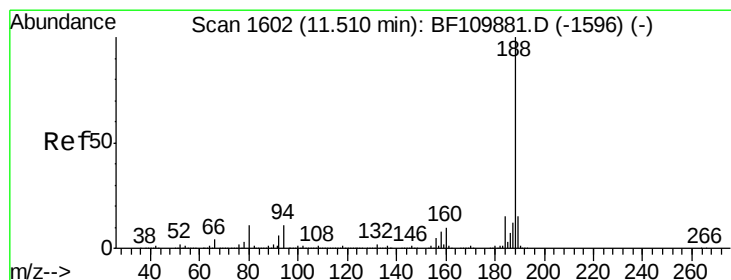
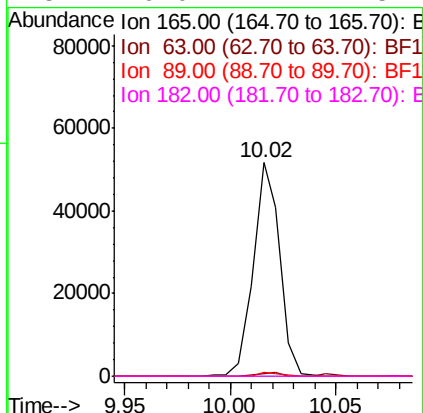
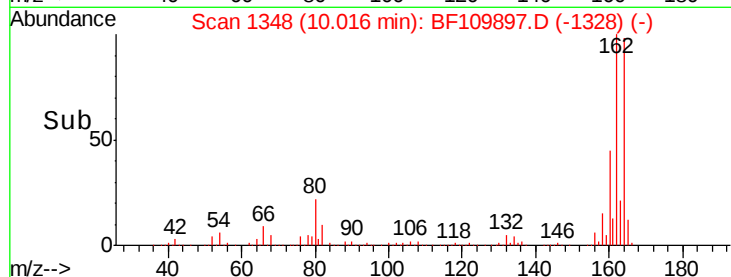
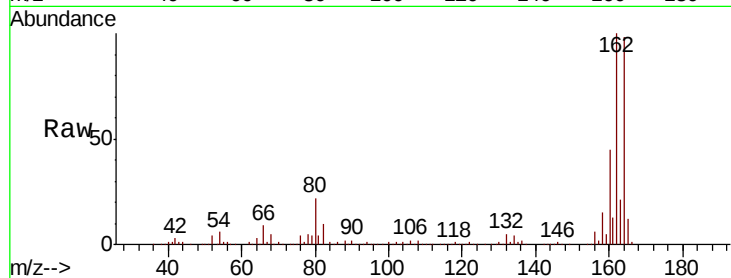




#57
 2,4-Dinitrotoluene
 Concen: 11.408 ng
 RT: 10.02 min Scan# 1348
 Delta R.T. -0.18 min
 Lab File: BF109897.D
 Acq: 15 Oct 2018 23:28

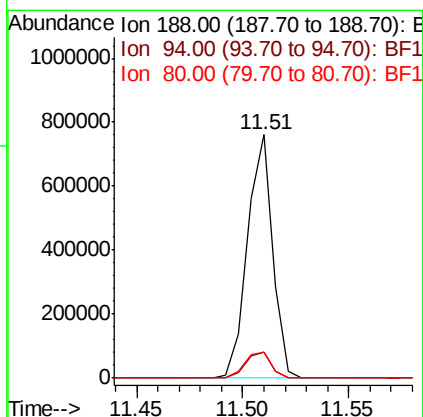
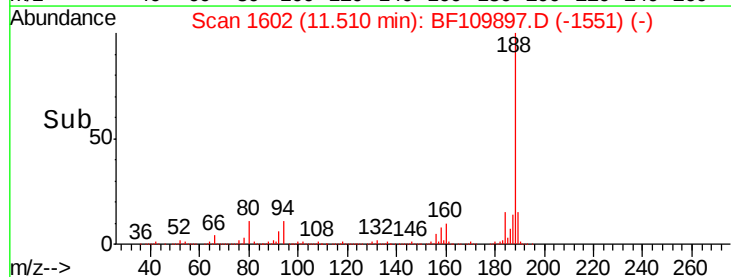
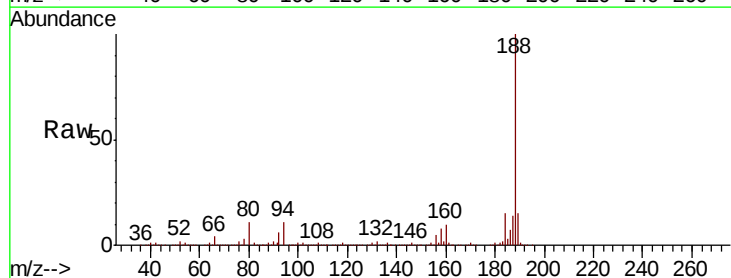
Instrument :
 BNA_F
 ClientSampleId :

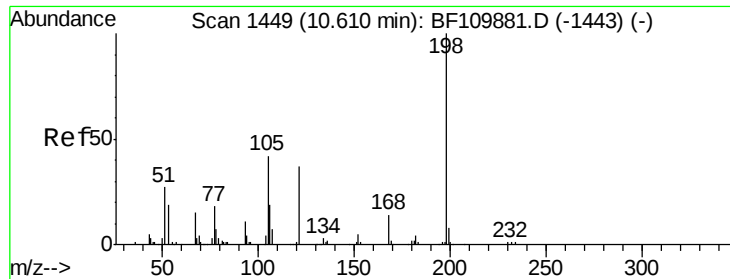
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	44.8	67.2#
89	1.7	62.2	93.4#
182	0.0	2.1	3.1#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.51 min Scan# 1602
 Delta R.T. -0.00 min
 Lab File: BF109897.D
 Acq: 15 Oct 2018 23:28

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

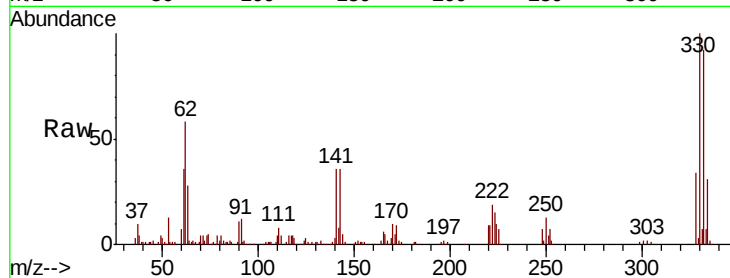




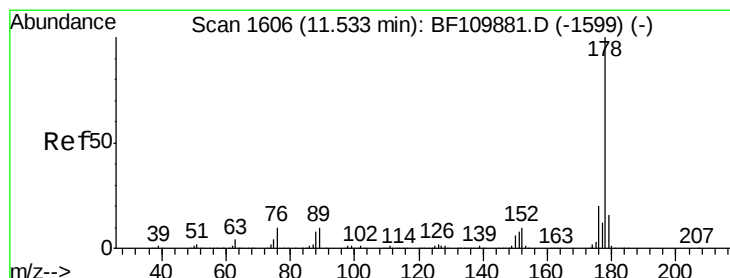
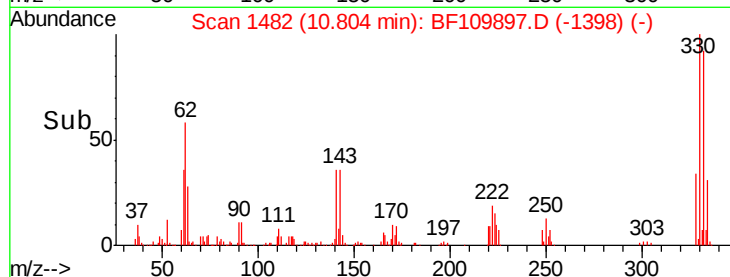
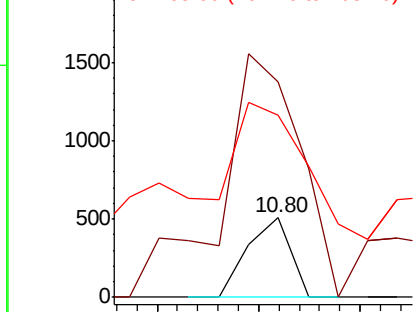
#65
 4,6-Dinitro-2-methylphenol
 Concen: 8.014 ng
 RT: 10.80 min Scan# 1482
 Delta R.T. 0.19 min
 Lab File: BF109897.D
 Acq: 15 Oct 2018 23:28

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:198 Resp: 299
 Ion Ratio Lower Upper
 198 100
 51 272.1 22.8 62.8#
 105 230.0 23.6 63.6#

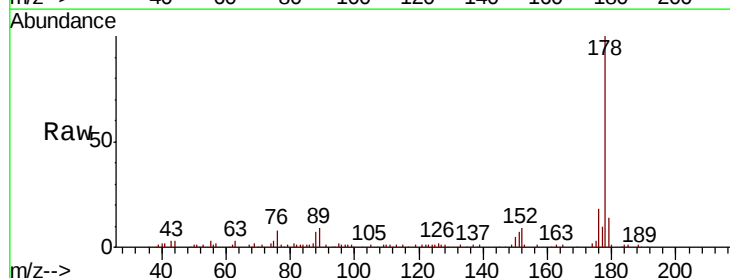


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

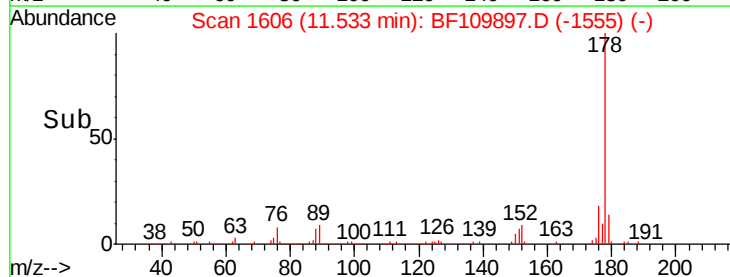
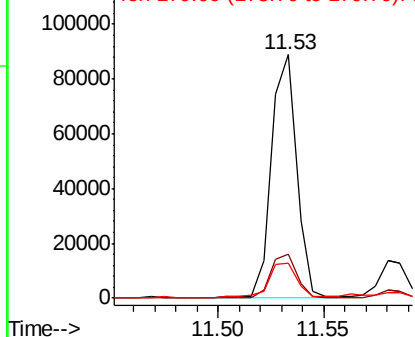


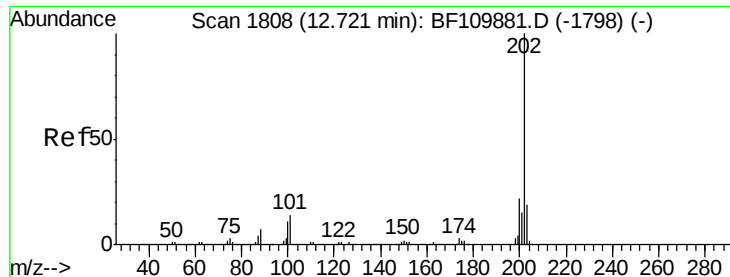
#71
 Phenanthrene
 Concen: 2.282 ng
 RT: 11.53 min Scan# 1606
 Delta R.T. -0.00 min
 Lab File: BF109897.D
 Acq: 15 Oct 2018 23:28

Tgt Ion:178 Resp: 74279
 Ion Ratio Lower Upper
 178 100
 176 18.0 15.5 23.3
 179 14.5 12.5 18.7



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 5.005 ng

RT: 12.72 min Scan# 1808

Delta R.T. -0.00 min

Lab File: BF109897.D

Acq: 15 Oct 2018 23:28

Instrument :

BNA_F

ClientSampleId :

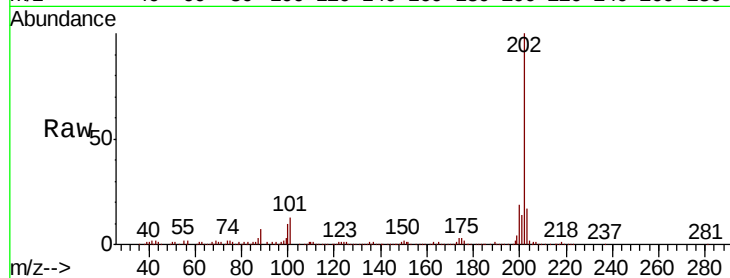
Tot Ion:202 Resp: 162770

Ion Ratio Lower Upper

202 100

101 13.2 0.0 31.4

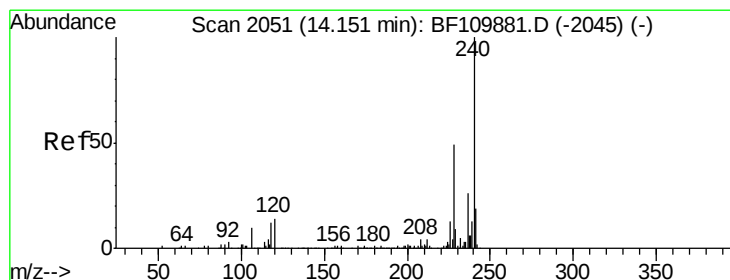
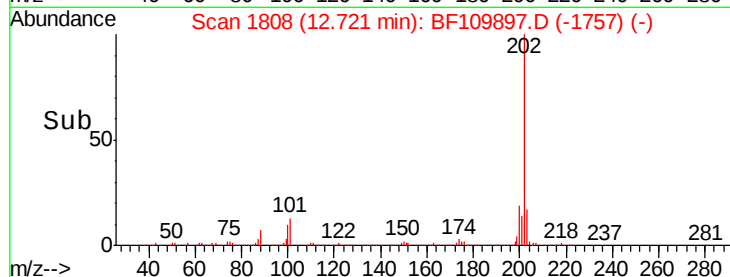
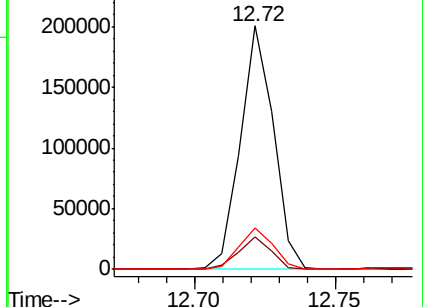
203 16.9 0.0 37.7



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. -0.00 min

Lab File: BF109897.D

Acq: 15 Oct 2018 23:28

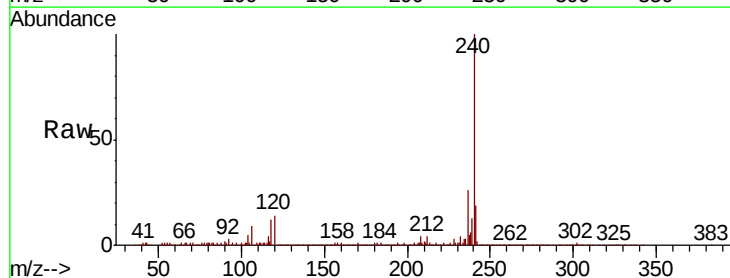
Tgt Ion:240 Resp: 634719

Ion Ratio Lower Upper

240 100

120 13.8 8.3 12.5#

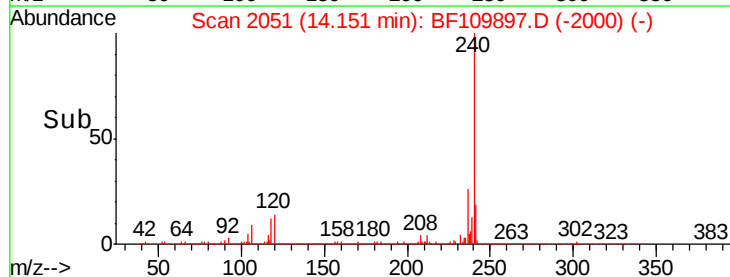
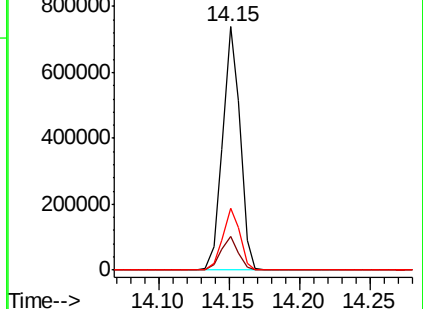
236 25.7 21.2 31.8

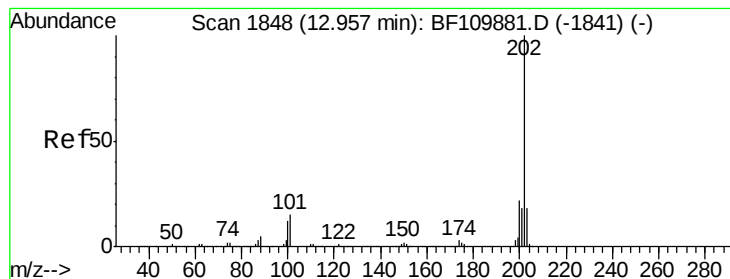


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 3.234 ng

RT: 12.95 min Scan# 1847

Delta R.T. -0.01 min

Lab File: BF109897.D

Acq: 15 Oct 2018 23:28

Instrument :

BNA_F

ClientSampleId :

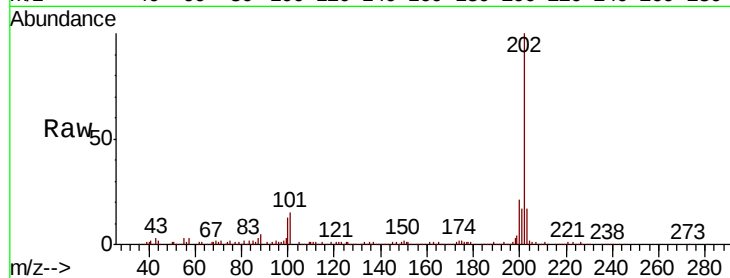
Tot Ion:202 Resp: 150757

Ion Ratio Lower Upper

202 100

200 20.9 17.8 26.6

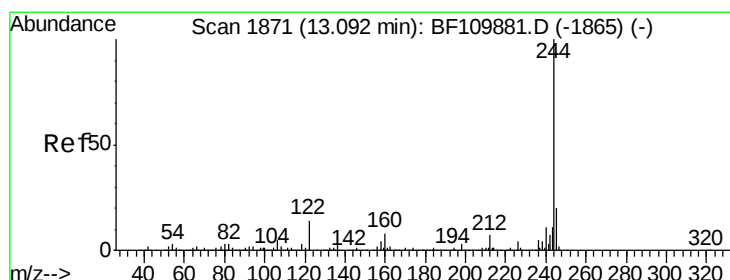
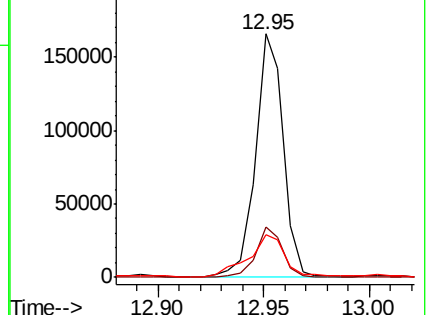
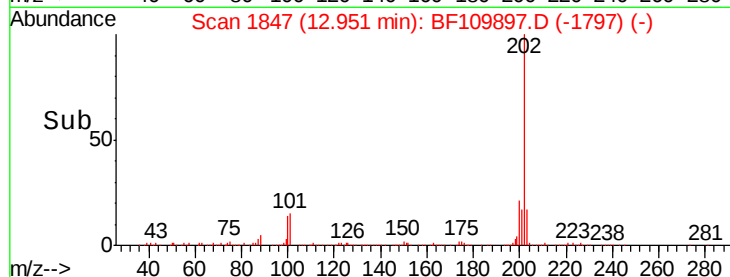
203 17.4 14.2 21.4



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: 24.035 ng

RT: 13.09 min Scan# 1871

Delta R.T. -0.00 min

Lab File: BF109897.D

Acq: 15 Oct 2018 23:28

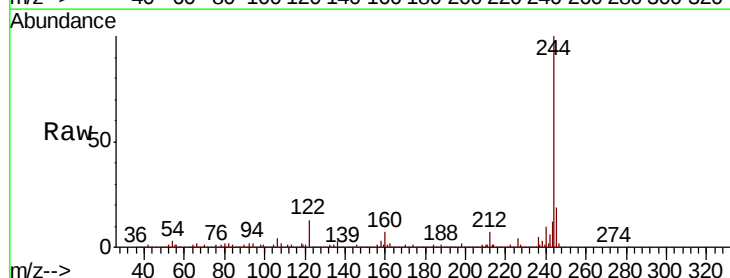
Tgt Ion:244 Resp: 726465

Ion Ratio Lower Upper

244 100

212 6.5 5.8 8.8

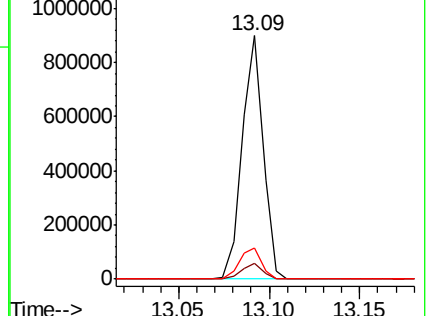
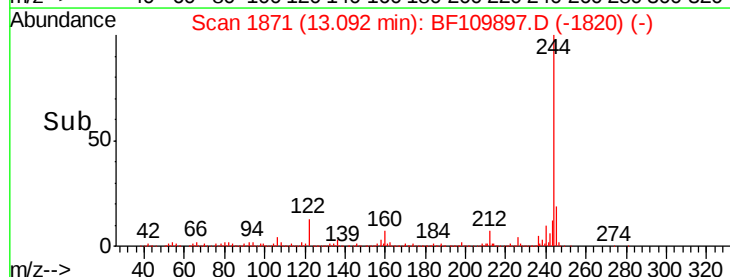
122 12.6 8.7 13.1

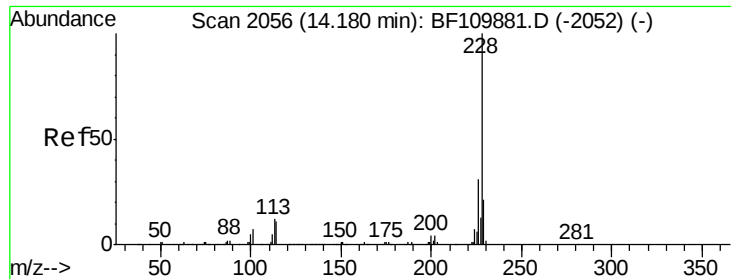


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#83

Chrysene

Concen: 2.172 ng

RT: 14.17 min Scan# 2055

Delta R.T. -0.01 min

Lab File: BF109897.D

Acq: 15 Oct 2018 23:28

Instrument :

BNA_F

ClientSampleId :

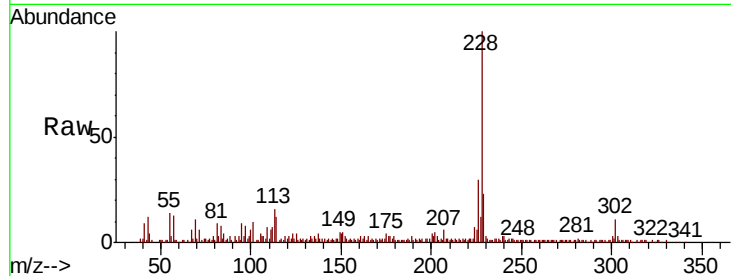
Tot Ion:228 Resp: 77286

Ion Ratio Lower Upper

228 100

226 30.2 24.7 37.1

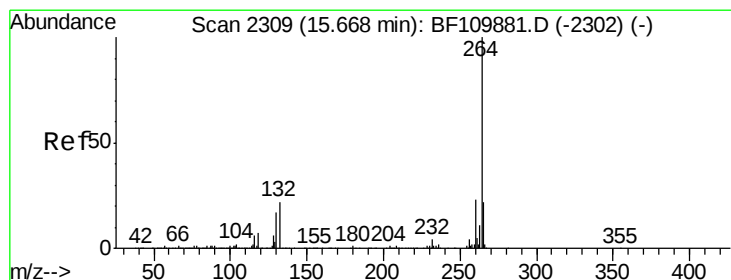
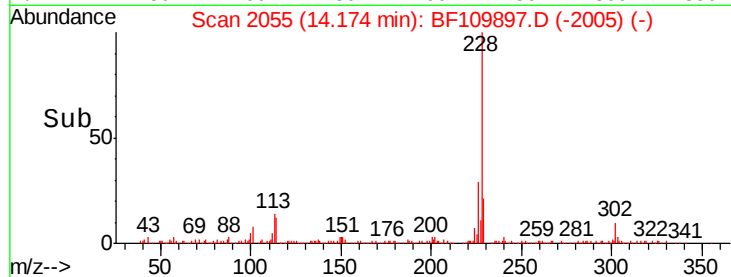
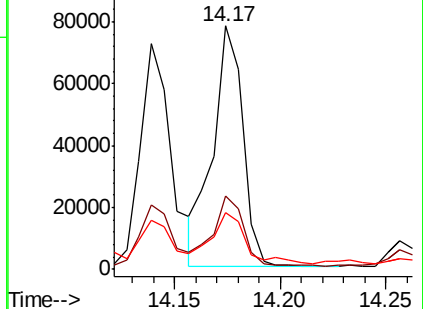
229 23.5 15.9 23.9



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.68 min Scan# 2311

Delta R.T. 0.01 min

Lab File: BF109897.D

Acq: 15 Oct 2018 23:28

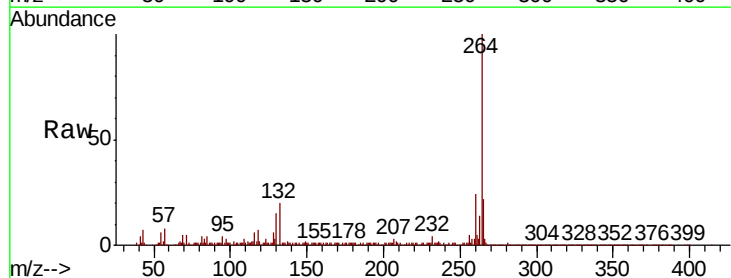
Tgt Ion:264 Resp: 434293

Ion Ratio Lower Upper

264 100

260 24.1 18.7 28.1

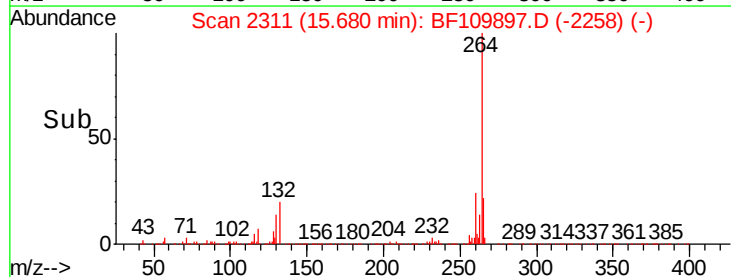
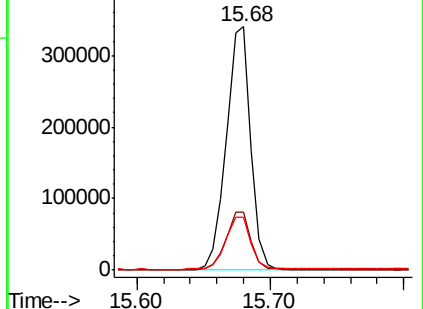
265 22.0 16.7 25.1

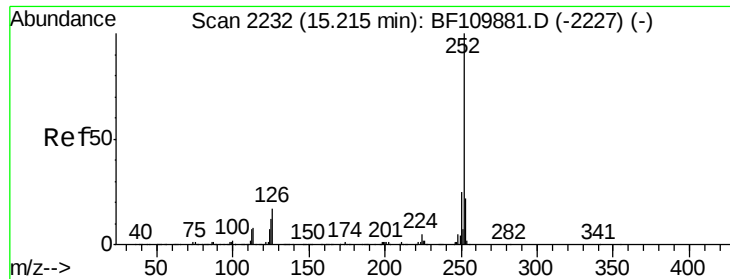


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

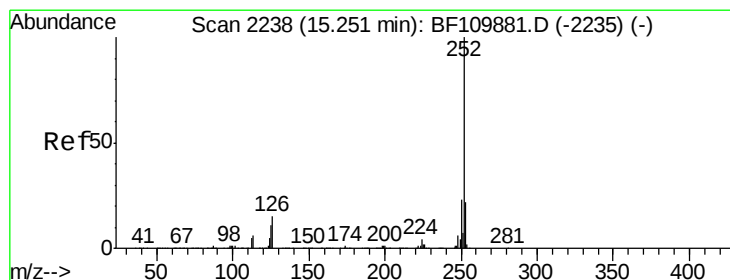
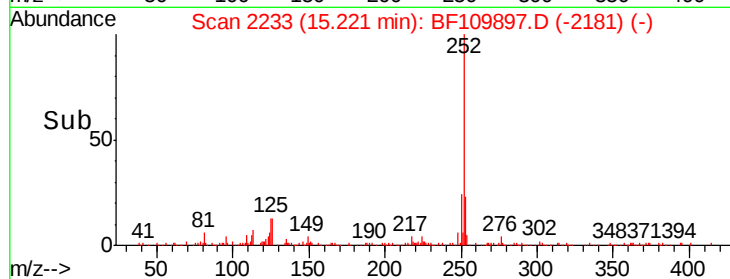
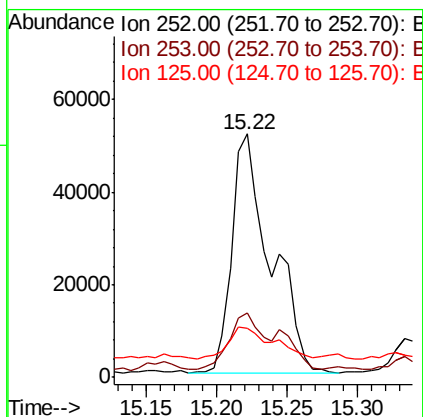
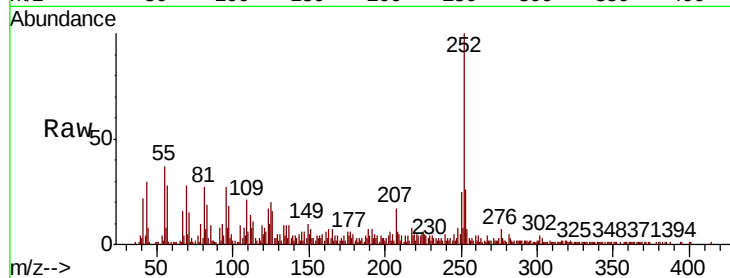




#88
Benzo(b)fluoranthene
Concen: 4.006 ng
RT: 15.22 min Scan# 2233
Delta R.T. 0.01 min
Lab File: BF109897.D
Acq: 15 Oct 2018 23:28

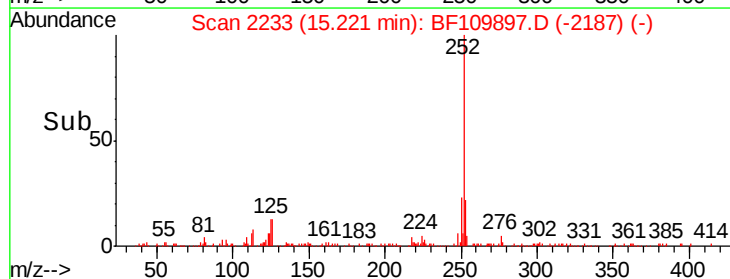
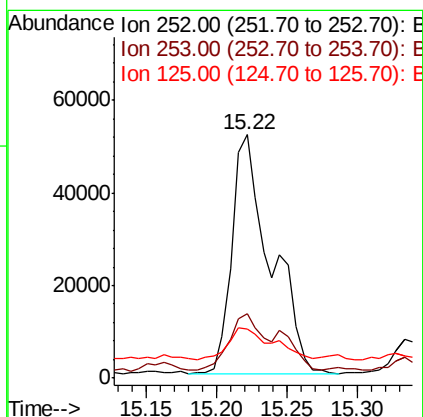
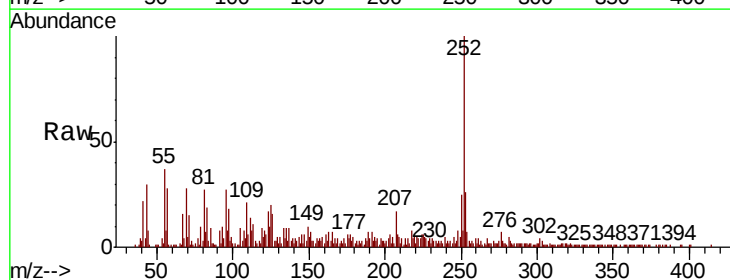
Instrument :
BNA_F
ClientSampleId :

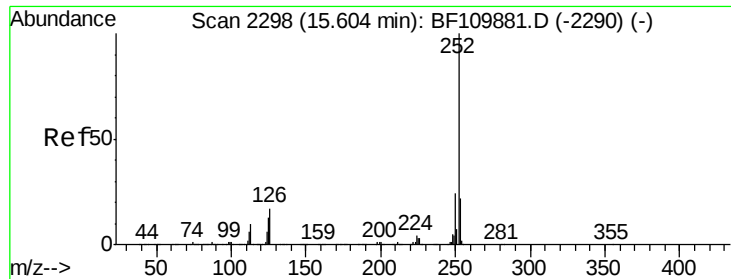
Tot Ion	Ratio	Lower	Upper
252	100		
253	26.4	17.2	25.8#
125	20.4	8.2	12.4#



#89
Benzo(k)fluoranthene
Concen: 4.065 ng
RT: 15.22 min Scan# 2233
Delta R.T. -0.03 min
Lab File: BF109897.D
Acq: 15 Oct 2018 23:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.4	17.2	25.8#
125	20.4	7.4	11.0#





#90

Benzo(a)pyrene

Concen: 2.068 ng

RT: 15.60 min Scan# 2298

Delta R.T. -0.00 min

Lab File: BF109897.D

Acq: 15 Oct 2018 23:28

Instrument :

BNA_F

ClientSampleId :

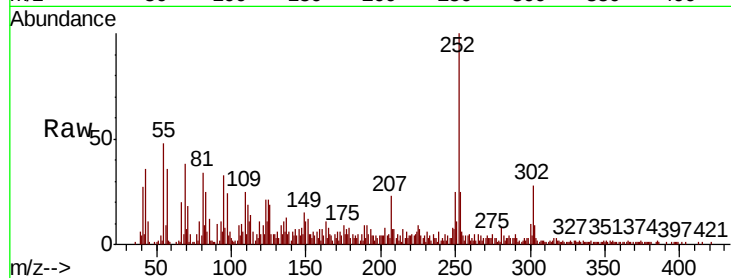
Tot Ion:252 Resp: 47620

Ion Ratio Lower Upper

252 100

253 24.8 18.2 27.4

125 21.4 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

