

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101518\
 Data File : BF109886.D
 Acq On : 15 Oct 2018 18:33
 Operator : JU/SJ
 Sample : J5456-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 16 01:26:51 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

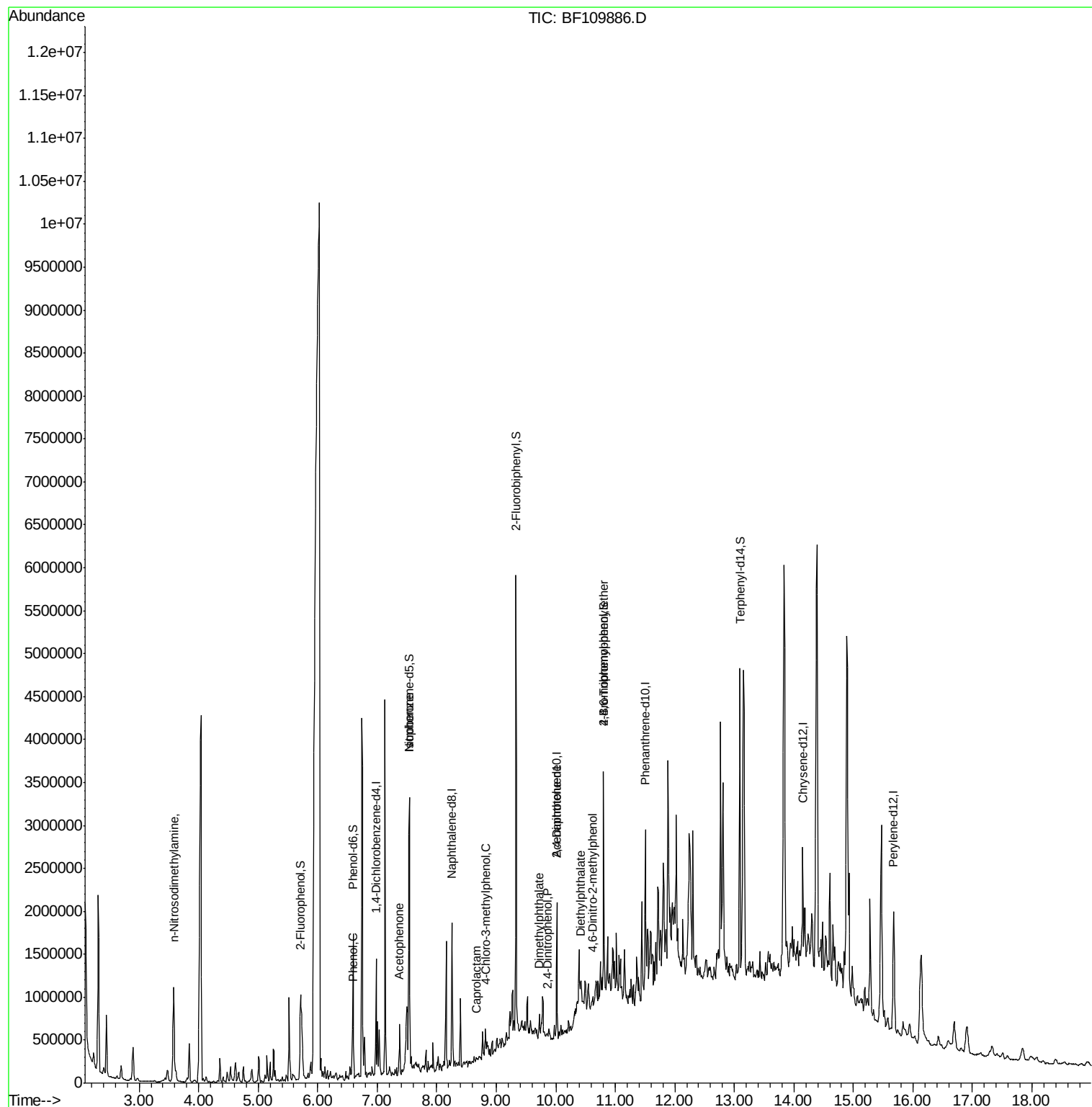
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.98	152	192310	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	717497	20.00	ng	0.00
39) Acenaphthene-d10	10.02	164	288377	20.00	ng	0.00
64) Phenanthrene-d10	11.51	188	456124	20.00	ng	0.00
76) Chrysene-d12	14.15	240	377795	20.00	ng	0.00
87) Perylene-d12	15.67	264	462709	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.71	112	682352	56.24	ng	0.12
7) Phenol-d6	6.59	99	530894	35.24	ng	0.00
23) Nitrobenzene-d5	7.54	82	985060	92.48	ng	0.00
42) 2,4,6-Tribromophenol	10.80	330	272495	109.14	ng	0.00
45) 2-Fluorobiphenyl	9.33	172	1624233	89.87	ng	0.00
79) Terphenyl-d14	13.09	244	1167475	64.89	ng	0.00
Target Compounds						
4) n-Nitrosodimethylamine	3.58	42	46087	7.354	ng	# 1
10) Phenol	6.60	94	98966	6.085	ng	# 60
22) Acetophenone	7.37	105	143165	8.604	ng	# 96
25) Isophorone	7.54	82	983552	46.996	ng	# 67
35) Caprolactam	8.67	113	13402	3.859	ng	# 75
36) 4-Chloro-3-methylphenol	8.82	107	32184	3.120	ng	# 23
50) Dimethylphthalate	9.72	163	85416	4.183	ng	# 99
54) 2,4-Dinitrophenol	9.86	184	120	8.995	ng	# 1
57) 2,4-Dinitrotoluene	10.02	165	37889	11.578	ng	# 20
60) Diethylphthalate	10.42	149	54331	2.694	ng	# 100
65) 4,6-Dinitro-2-methylphenol	10.62	198	663	8.240	ng	# 1
67) 4-Bromophenyl-phenylether	10.80	248	17541	3.549	ng	# 1

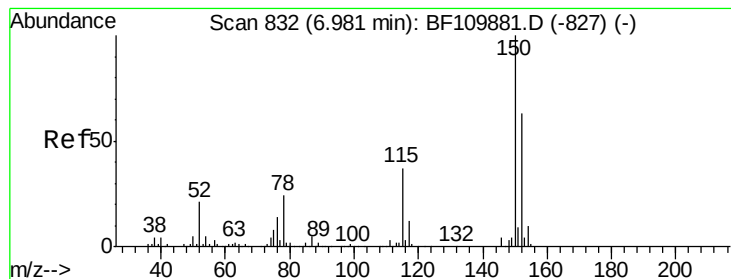
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101518\
Data File : BF109886.D
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Operator : JU/SJ
Sample : J5456-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Oct 16 01:15:52 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



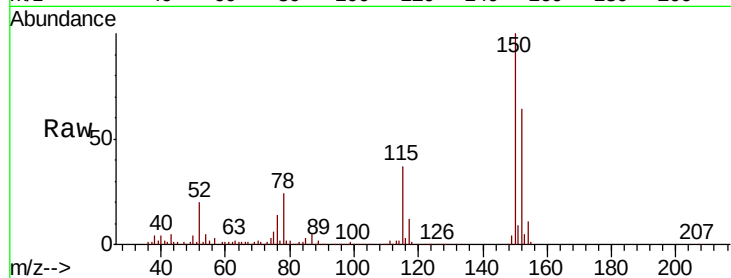


#1

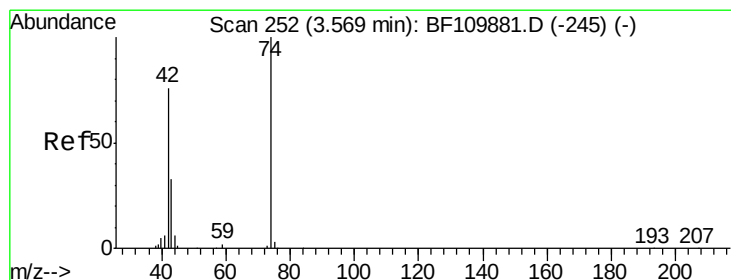
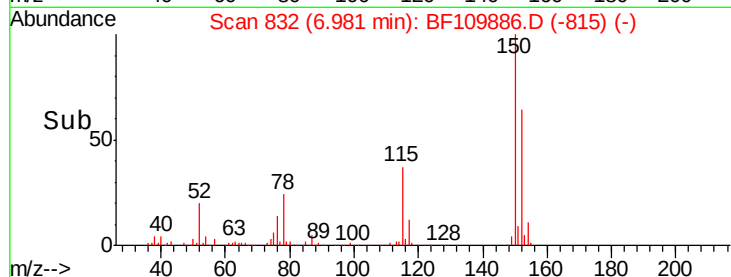
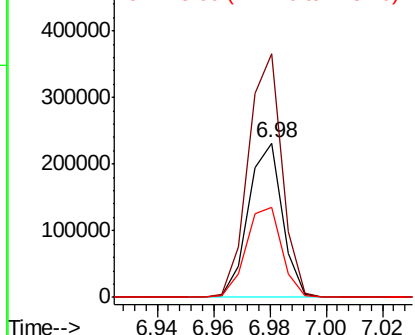
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.98 min Scan# 832
Delta R.T. 0.00 min
Lab File: BF109886.D
Acq: 15 Oct 2018 18:33

Instrument :
BNA_F
ClientSampled :

Tot Ion	152	Resp	192310
Ion Ratio	100	Lower	Upper
150	157.5	122.7	184.1
115	58.4	49.1	73.7



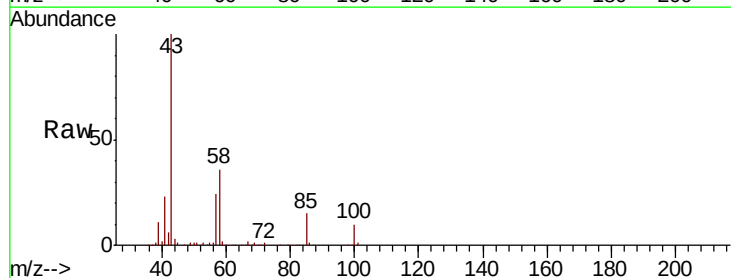
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



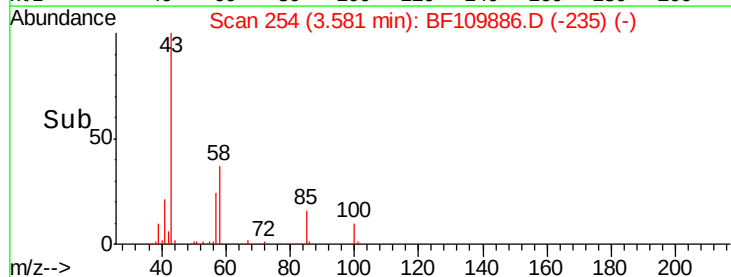
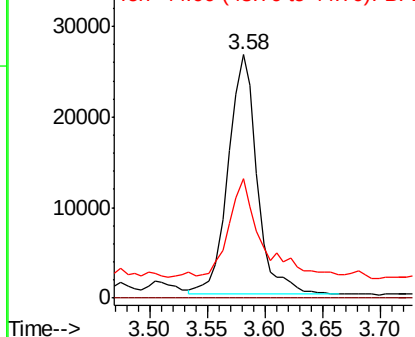
#4

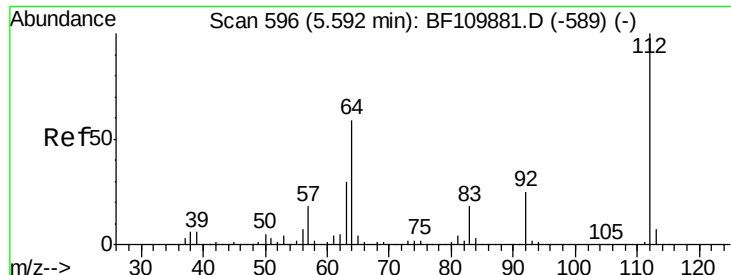
n-Nitrosodimethylamine
Concen: 7.354 ng
RT: 3.58 min Scan# 254
Delta R.T. 0.01 min
Lab File: BF109886.D
Acq: 15 Oct 2018 18:33

Tgt Ion	42	Resp	46087
Ion Ratio	100	Lower	Upper
74	0.0	105.5	158.3#
44	48.8	4.9	7.3#



Abundance Ion 42.00 (41.70 to 42.70): BF1
Ion 74.00 (73.70 to 74.70): BF1
Ion 44.00 (43.70 to 44.70): BF1





#5

2-Fluorophenol

Concen: 56.244 ng

RT: 5.71 min Scan# 616

Delta R.T. 0.12 min

Lab File: BF109886.D

Acq: 15 Oct 2018 18:33

Instrument :

BNA_F

ClientSampled :

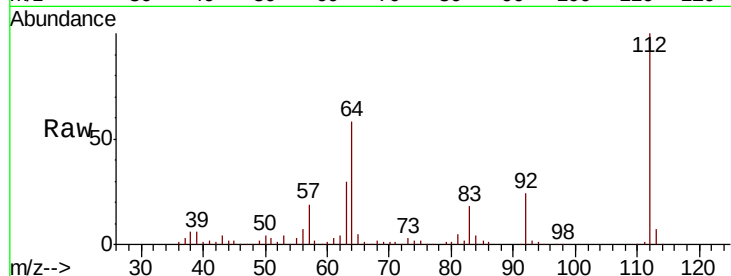
Tot Ion:112 Resp: 682352

Ion Ratio Lower Upper

112 100

64 58.3 44.1 66.1

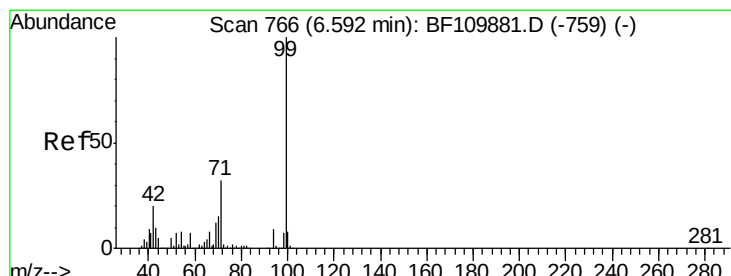
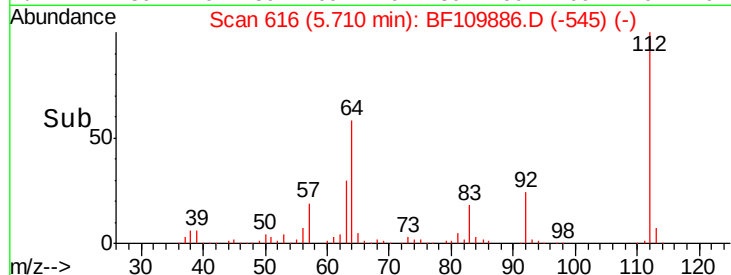
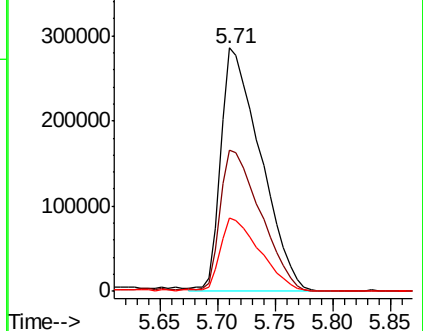
63 30.3 23.7 35.5



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: 35.241 ng

RT: 6.59 min Scan# 766

Delta R.T. 0.00 min

Lab File: BF109886.D

Acq: 15 Oct 2018 18:33

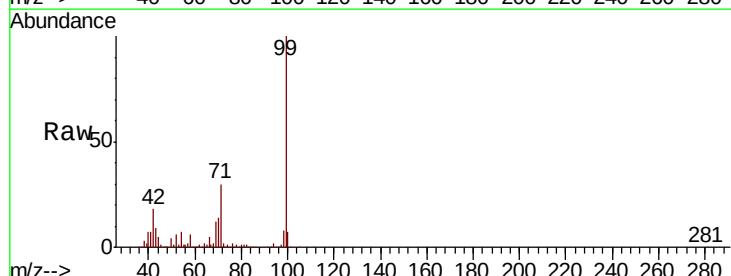
Tgt Ion: 99 Resp: 530894

Ion Ratio Lower Upper

99 100

42 17.5 15.8 23.6

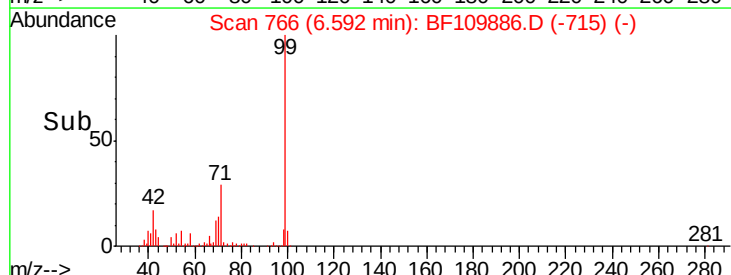
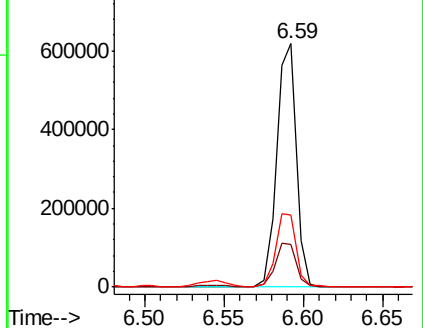
71 29.6 28.0 42.0

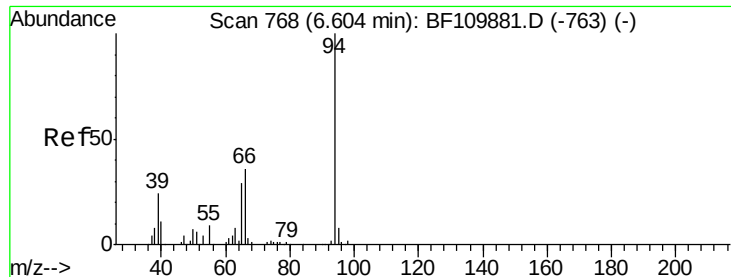


Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1

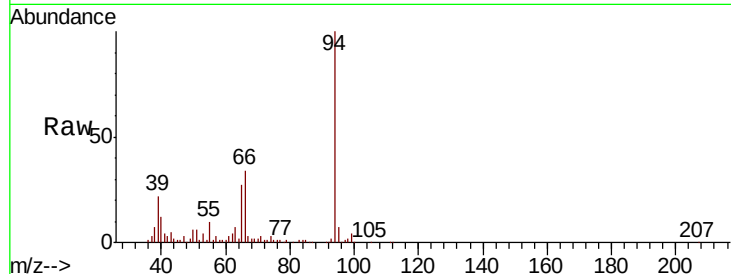




#10
Phenol
Concen: 6.085 ng
RT: 6.60 min Scan# 768
Delta R.T. 0.00 min
Lab File: BF109886.D
Acq: 15 Oct 2018 18:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
94	100		
65	27.5	25.3	65.3
66	33.6	54.5	94.5#

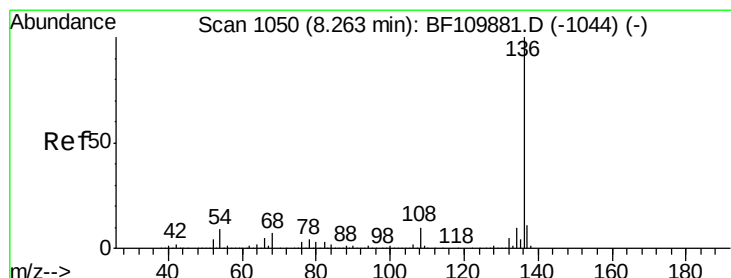
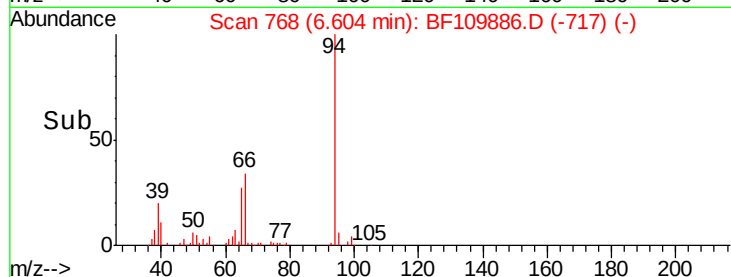
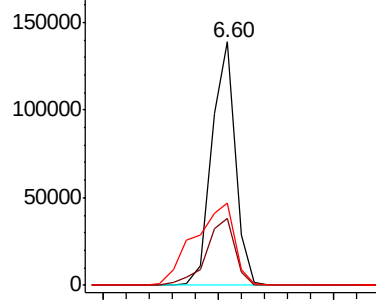


Abundance

Ion 94.00 (93.70 to 94.70): BF1

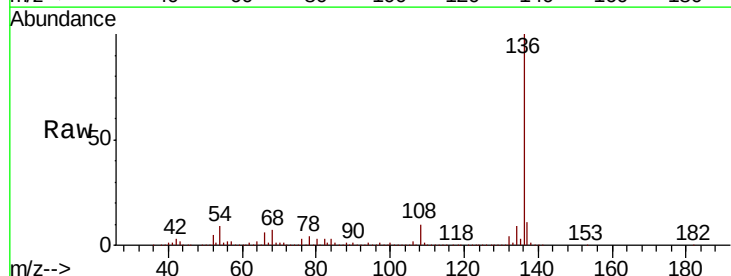
Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.26 min Scan# 1049
Delta R.T. -0.01 min
Lab File: BF109886.D
Acq: 15 Oct 2018 18:33

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	9.4	5.4	8.2#
68	6.8	4.2	6.2#



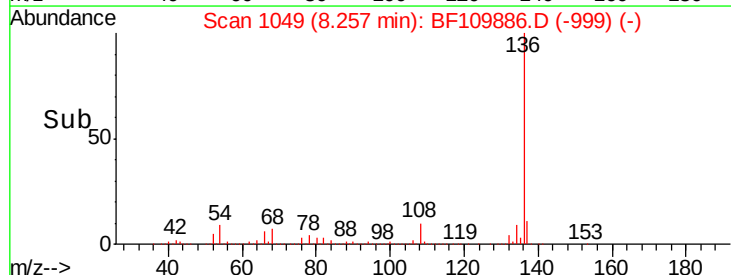
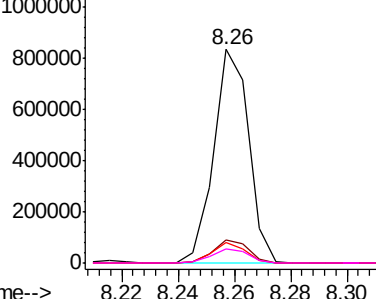
Abundance

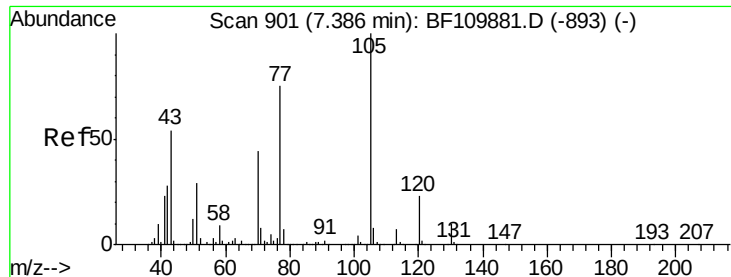
Ion 136.00 (135.70 to 136.70): E

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

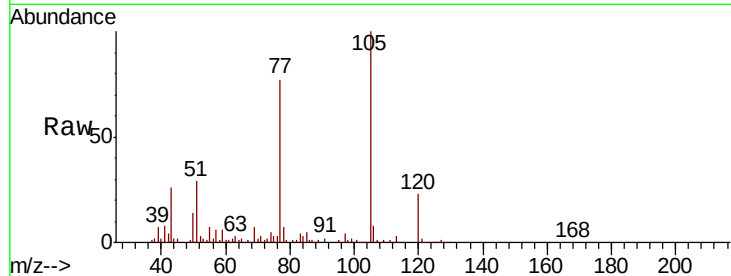




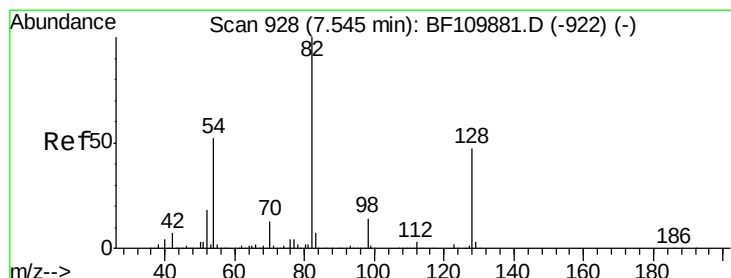
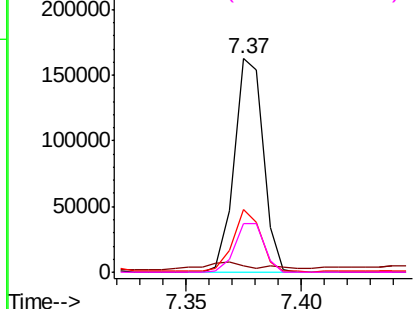
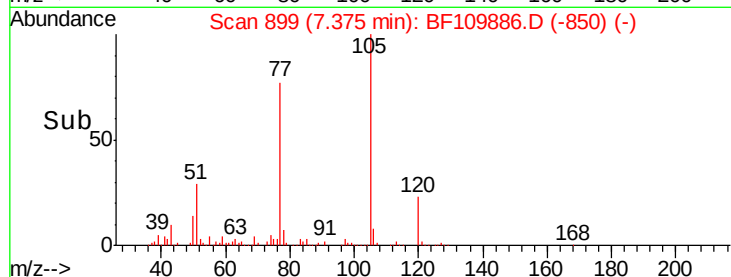
#22
Acetophenone
Concen: 8.604 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.01 min
Lab File: BF109886.D
Acq: 15 Oct 2018 18:33

Instrument :
BNA_F
ClientSampled :

Tot Ion:105 Resp: 143165
Ion Ratio Lower Upper
105 100
71 3.1 5.2 7.8#
51 29.3 21.8 32.8
120 22.6 17.0 25.4

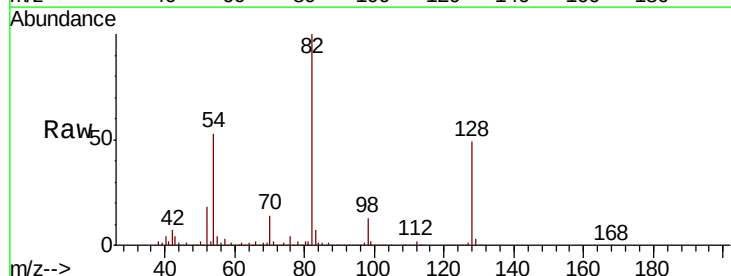


Abundance Ion 105.00 (104.70 to 105.70): E
Ion 71.00 (70.70 to 71.70): BF1
Ion 51.00 (50.70 to 51.70): BF1
Ion 120.00 (119.70 to 120.70): E

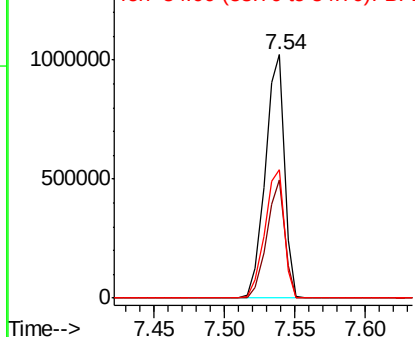
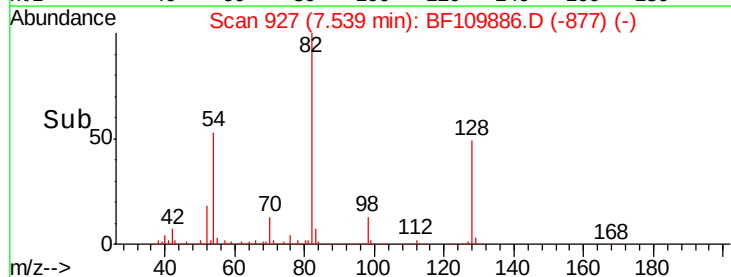


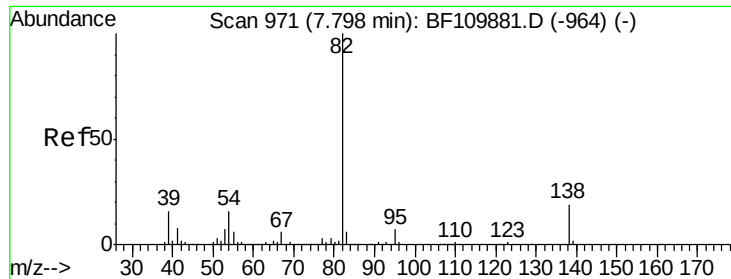
#23
Nitrobenzene-d5
Concen: 92.485 ng
RT: 7.54 min Scan# 927
Delta R.T. -0.01 min
Lab File: BF109886.D
Acq: 15 Oct 2018 18:33

Tgt Ion: 82 Resp: 985060
Ion Ratio Lower Upper
82 100
128 48.7 34.2 51.2
54 52.8 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: 46.996 ng

RT: 7.54 min Scan# 927

Delta R.T. -0.26 min

Lab File: BF109886.D

Acq: 15 Oct 2018 18:33

Instrument :

BNA_F

ClientSampled :

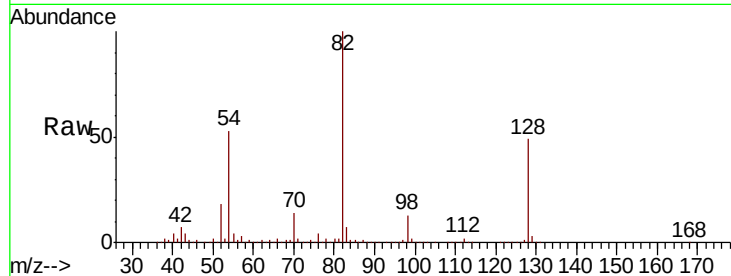
Tot Ion: 82 Resp: 983552

Ion Ratio Lower Upper

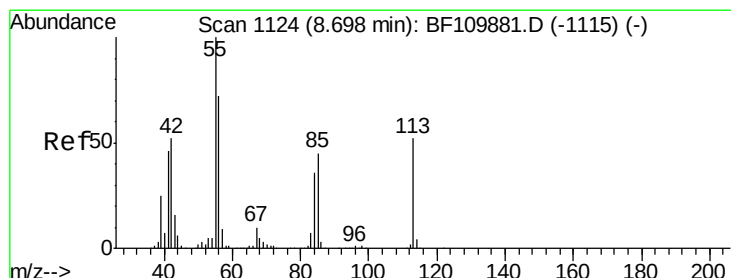
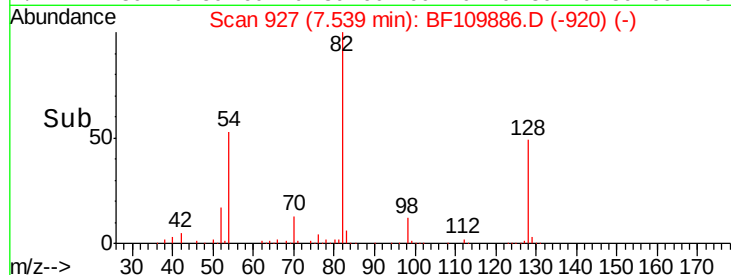
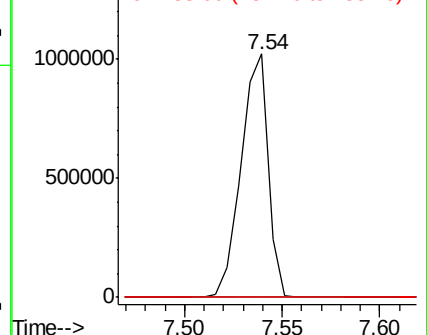
82 100

95 0.2 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



#35

Caprolactam

Concen: 3.859 ng

RT: 8.67 min Scan# 1119

Delta R.T. -0.03 min

Lab File: BF109886.D

Acq: 15 Oct 2018 18:33

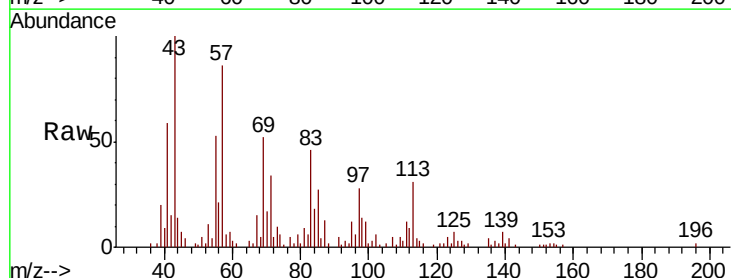
Tgt Ion: 113 Resp: 13402

Ion Ratio Lower Upper

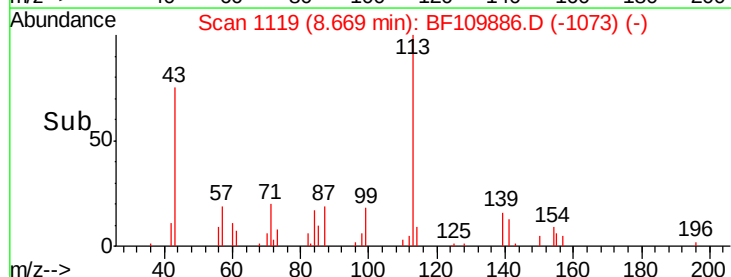
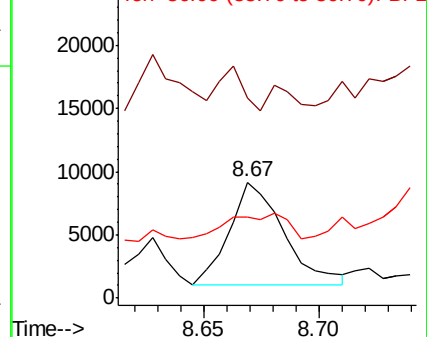
113 100

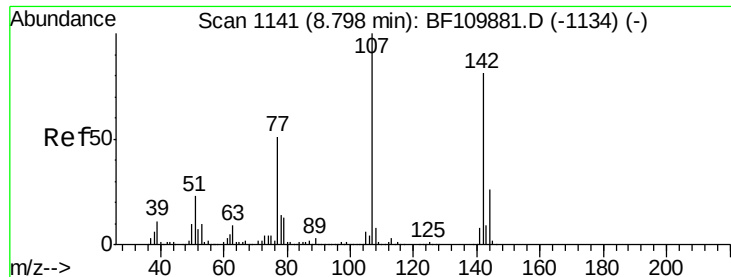
55 172.8 142.8 182.8

56 69.6 105.0 145.0#



Abundance Ion 113.00 (112.70 to 113.70): BF1
Ion 55.00 (54.70 to 55.70): BF1
Ion 56.00 (55.70 to 56.70): BF1

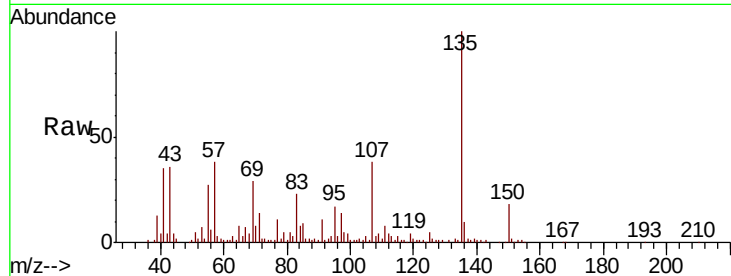




#36
 4-Chloro-3-methylphenol
 Concen: 3.120 ng
 RT: 8.82 min Scan# 1144
 Delta R.T. 0.02 min
 Lab File: BF109886.D
 Acq: 15 Oct 2018 18:33

Instrument :
 BNA_F
 ClientSampleID :

Tot Ion	Ratio	Lower	Upper
107	100		
144	0.0	20.0	30.0#
142	1.0	59.7	89.5#

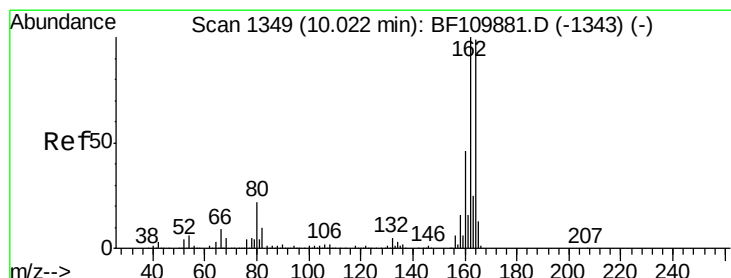
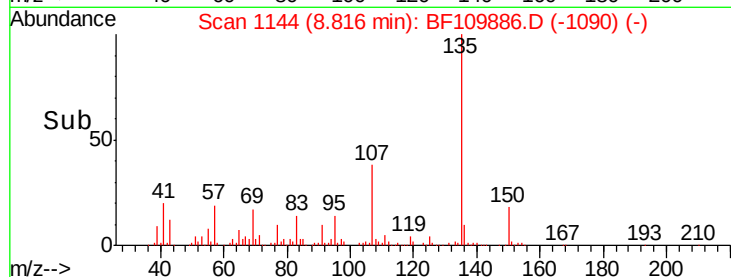
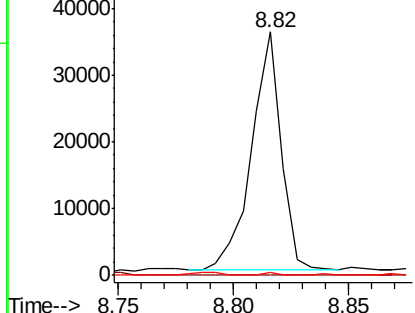


Abundance

Ion 107.00 (106.70 to 107.70): E

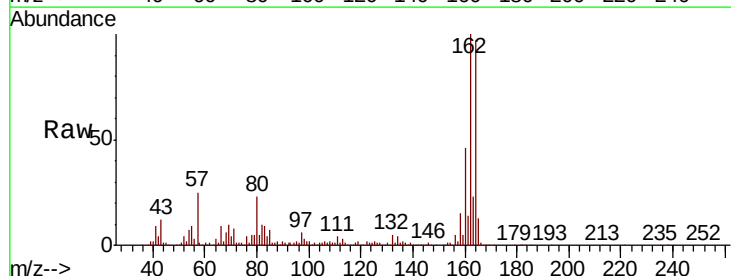
Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.02 min Scan# 1348
 Delta R.T. -0.01 min
 Lab File: BF109886.D
 Acq: 15 Oct 2018 18:33

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.7	83.0	124.6
160	46.9	37.0	55.6

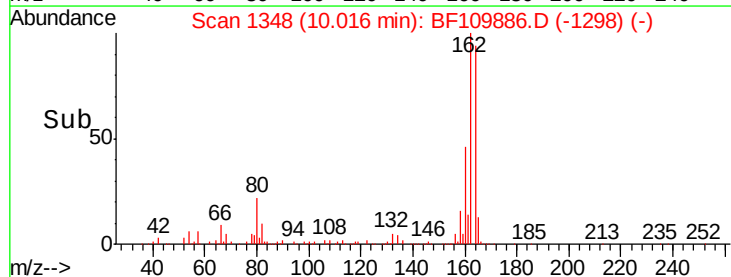
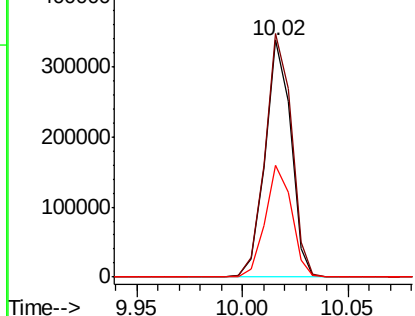


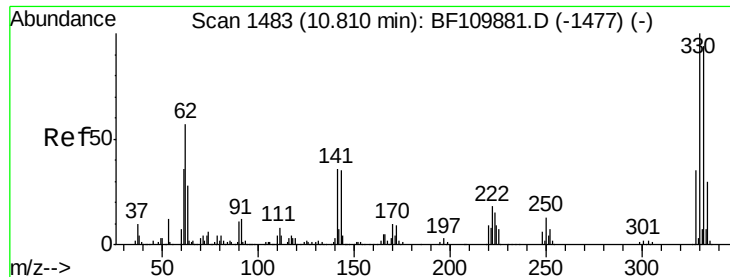
Abundance

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

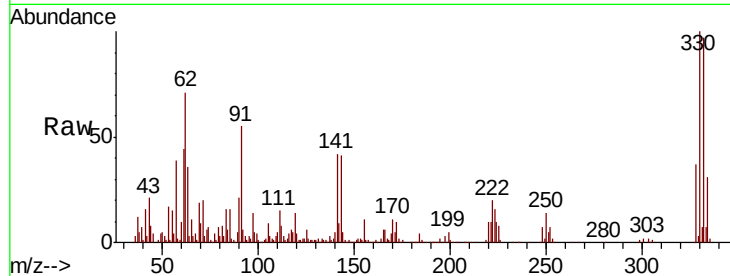




#42
 2,4,6-Tribromophenol
 Concen: 109.142 ng
 RT: 10.80 min Scan# 1482
 Delta R.T. -0.01 min
 Lab File: BF109886.D
 Acq: 15 Oct 2018 18:33

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.1	115.7
141	36.8	27.0	40.4

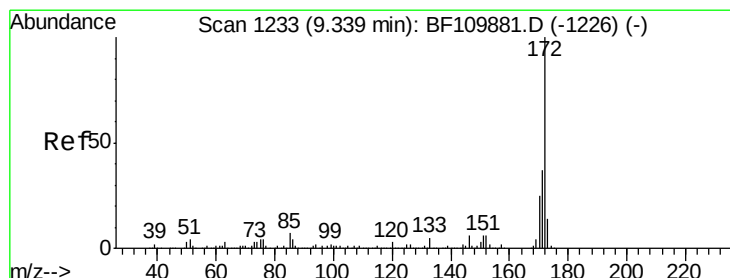
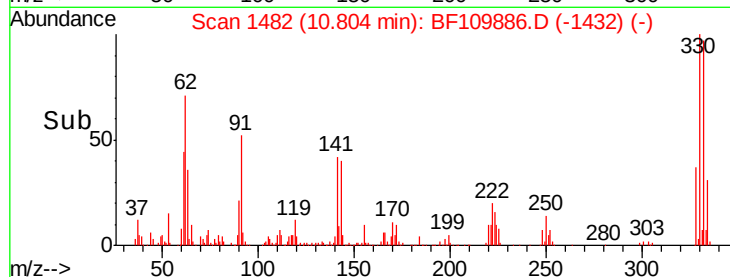
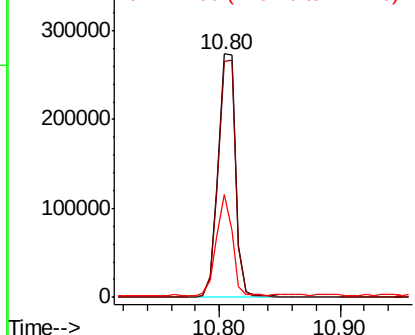


Abundance

Ion 329.80 (329.50 to 330.50): E

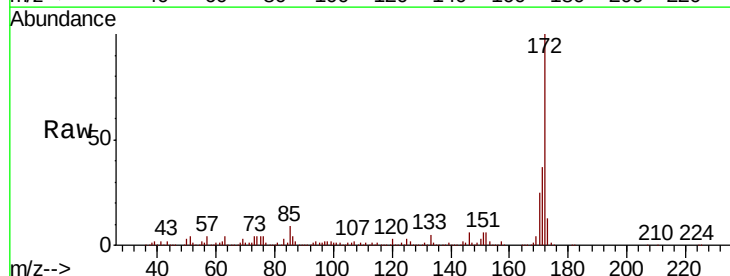
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 89.872 ng
 RT: 9.33 min Scan# 1232
 Delta R.T. -0.01 min
 Lab File: BF109886.D
 Acq: 15 Oct 2018 18:33

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	28.6	43.0
170	25.0	19.7	29.5

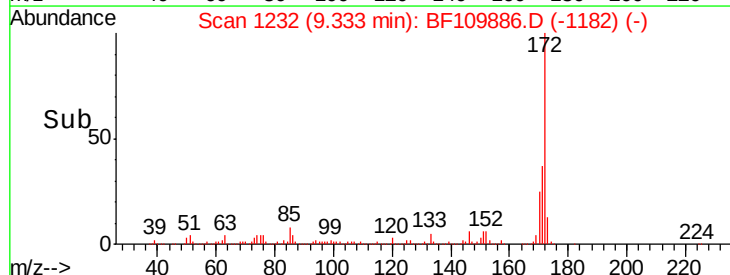
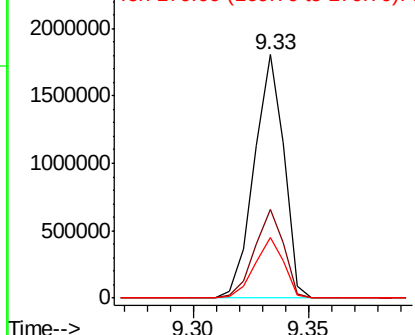


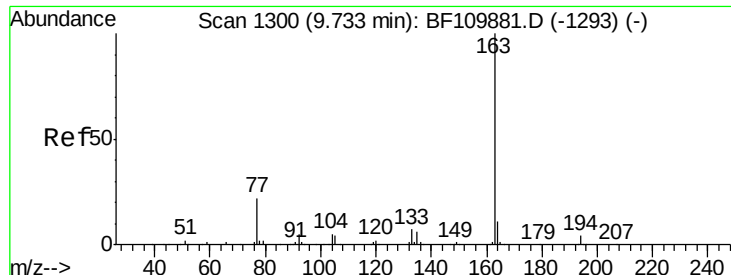
Abundance

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

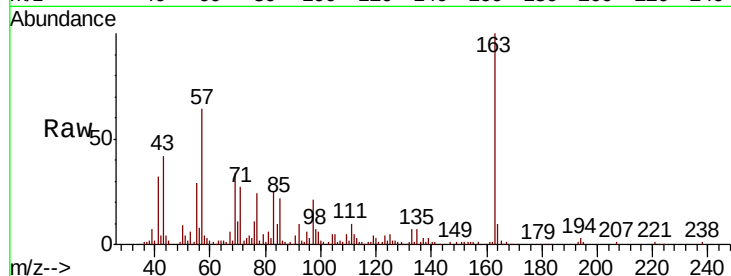




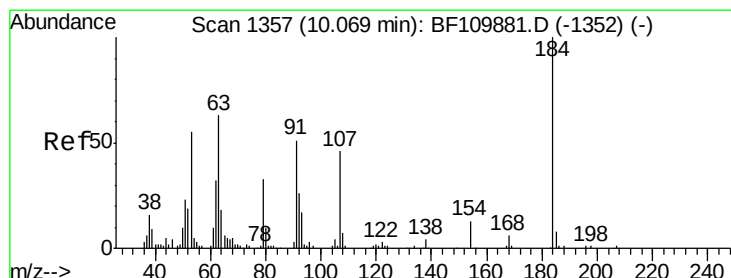
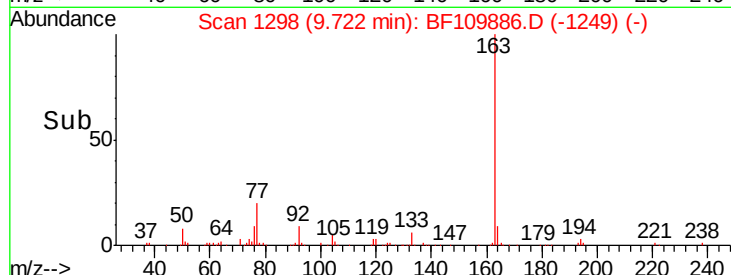
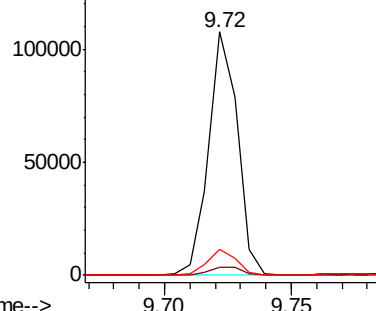
#50
Dimethylphthalate
Concen: 4.183 ng
RT: 9.72 min Scan# 1298
Delta R.T. -0.01 min
Lab File: BF109886.D
Acq: 15 Oct 2018 18:33

Instrument :
BNA_F
ClientSampled :

Tot Ion:163 Resp: 85416
Ion Ratio Lower Upper
163 100
194 3.4 3.2 4.8
164 10.5 8.1 12.1

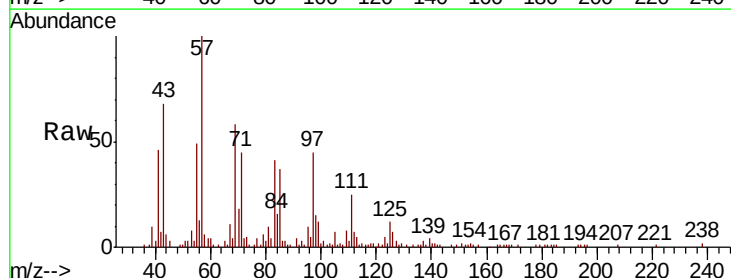


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

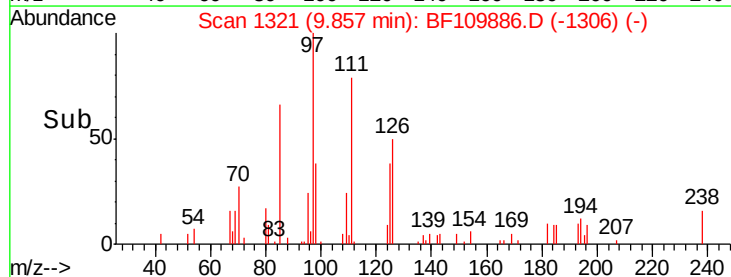
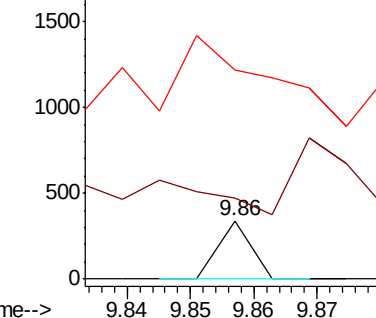


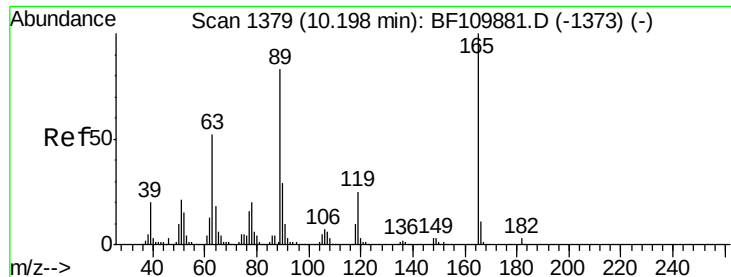
#54
2,4-Dinitrophenol
Concen: 8.995 ng
RT: 9.86 min Scan# 1321
Delta R.T. -0.21 min
Lab File: BF109886.D
Acq: 15 Oct 2018 18:33

Tgt Ion:184 Resp: 120
Ion Ratio Lower Upper
184 100
63 137.5 55.8 83.6#
154 356.6 63.2 94.8#



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 154.00 (153.70 to 154.70): E

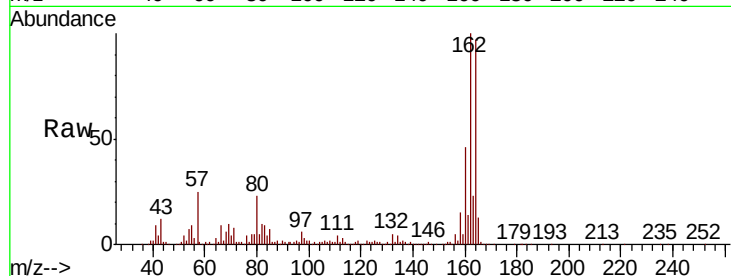




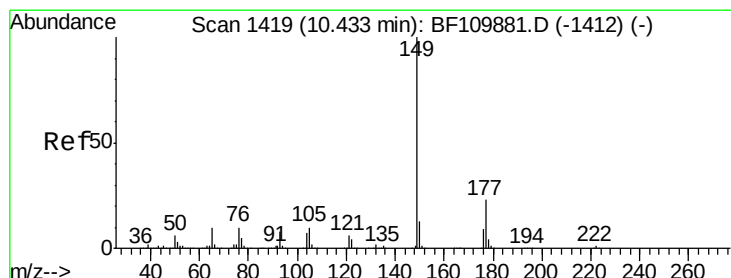
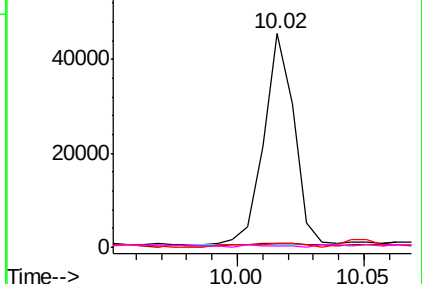
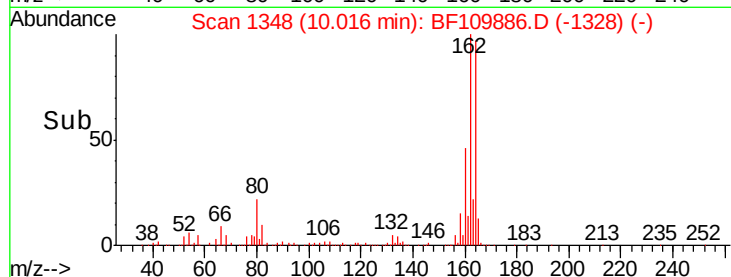
#57
 2,4-Dinitrotoluene
 Concen: 11.578 ng
 RT: 10.02 min Scan# 1348
 Delta R.T. -0.18 min
 Lab File: BF109886.D
 Acq: 15 Oct 2018 18:33

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 37889
 Ion Ratio Lower Upper
 165 100
 63 1.7 44.8 67.2#
 89 1.9 62.2 93.4#
 182 0.8 2.1 3.1#

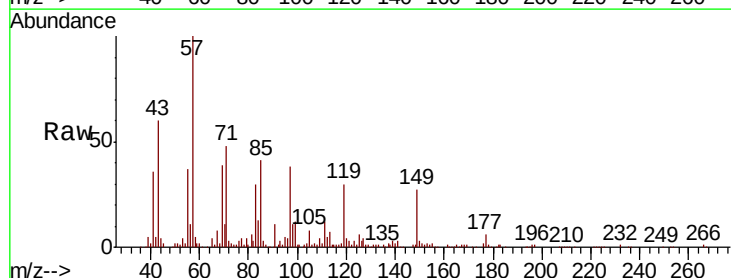


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

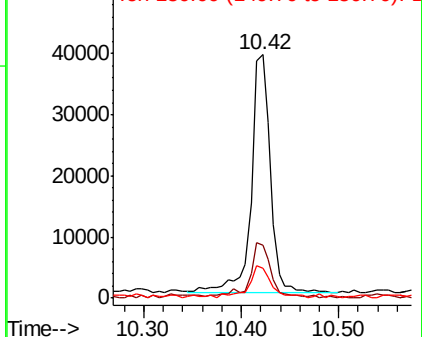
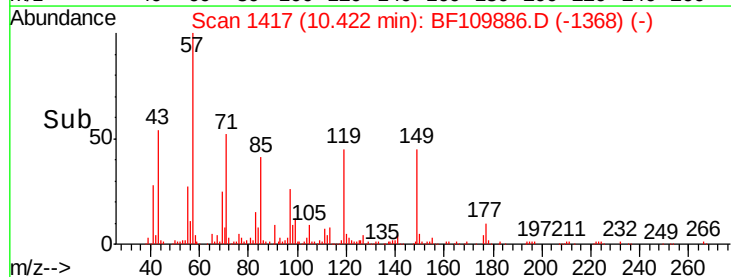


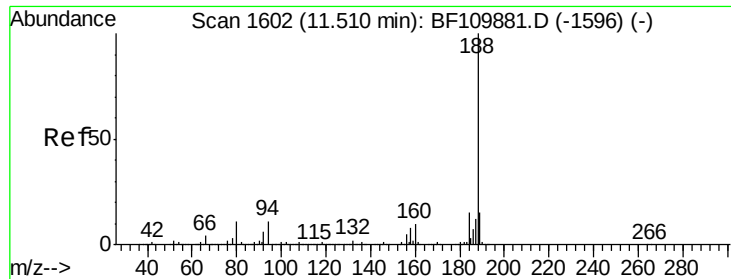
#60
 Diethylphthalate
 Concen: 2.694 ng
 RT: 10.42 min Scan# 1417
 Delta R.T. -0.01 min
 Lab File: BF109886.D
 Acq: 15 Oct 2018 18:33

Tgt Ion:149 Resp: 54331
 Ion Ratio Lower Upper
 149 100
 177 21.7 17.4 26.2
 150 12.0 9.8 14.8



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 177.00 (176.70 to 177.70): E
 Ion 150.00 (149.70 to 150.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.51 min Scan# 1602

Delta R.T. 0.00 min

Lab File: BF109886.D

Acq: 15 Oct 2018 18:33

Instrument :

BNA_F

ClientSampleId :

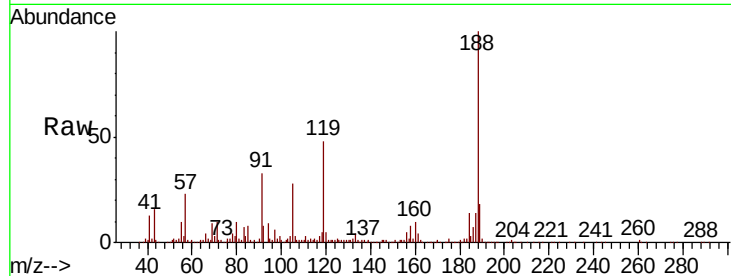
Tot Ion:188 Resp: 456124

Ion Ratio Lower Upper

188 100

94 9.4 7.2 10.8

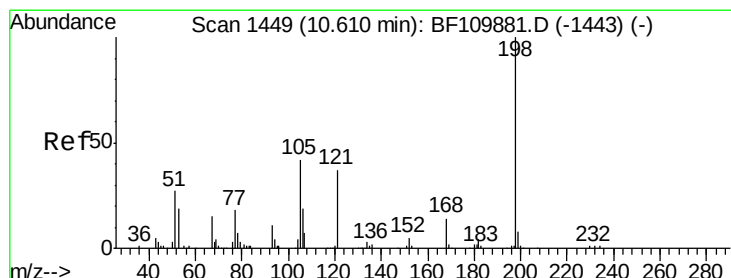
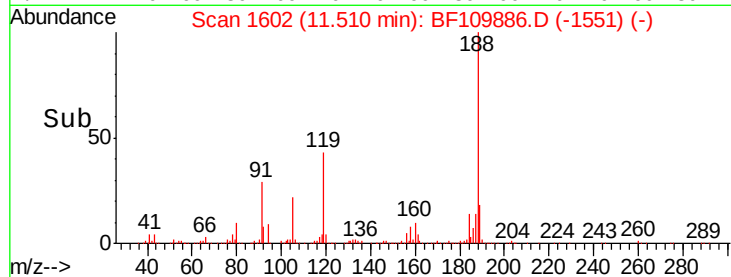
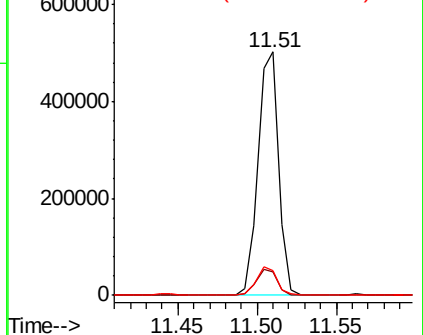
80 10.3 7.9 11.9



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: 8.240 ng

RT: 10.62 min Scan# 1450

Delta R.T. 0.01 min

Lab File: BF109886.D

Acq: 15 Oct 2018 18:33

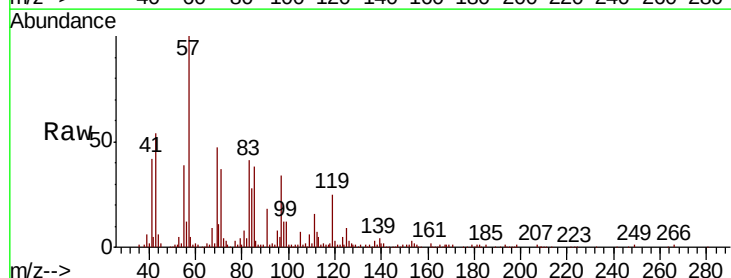
Tgt Ion:198 Resp: 663

Ion Ratio Lower Upper

198 100

51 167.0 22.8 62.8#

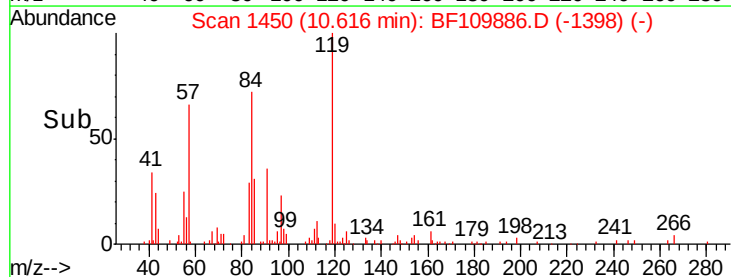
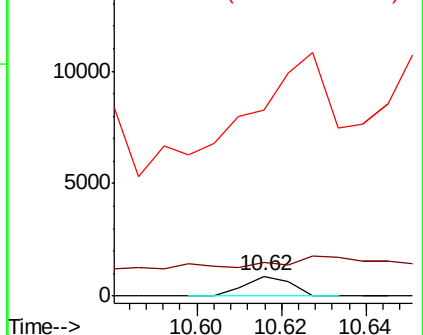
105 935.0 23.6 63.6#

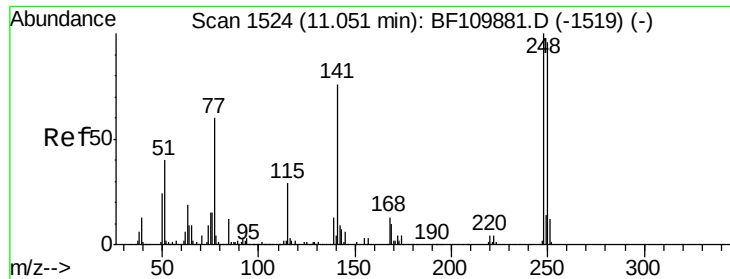


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

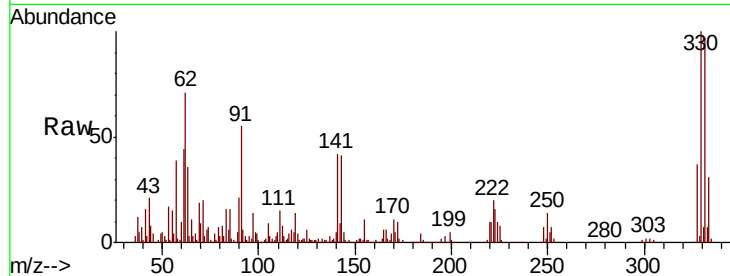




#67
 4-Bromophenyl-phenylether
 Concen: 3.549 ng
 RT: 10.80 min Scan# 1482
 Delta R.T. -0.25 min
 Lab File: BF109886.D
 Acq: 15 Oct 2018 18:33

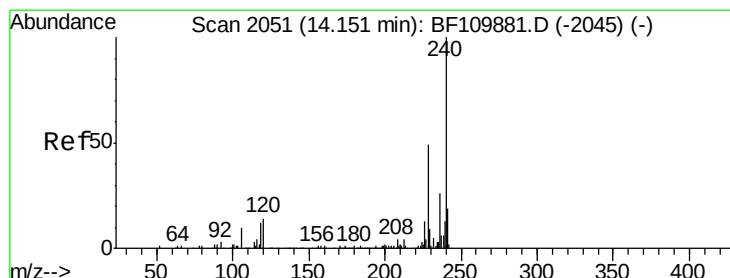
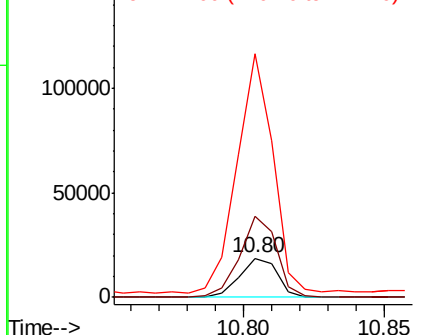
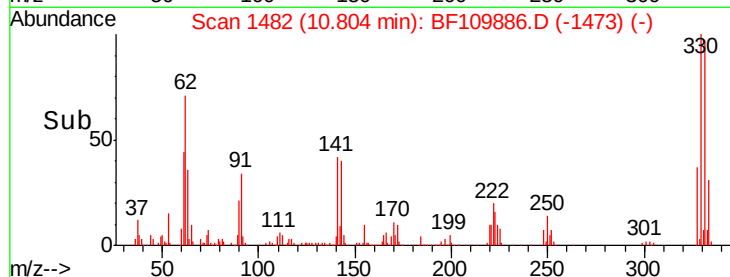
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 17541
 Ion Ratio Lower Upper
 248 100
 250 206.8 79.4 119.2#
 141 621.9 55.9 83.9#



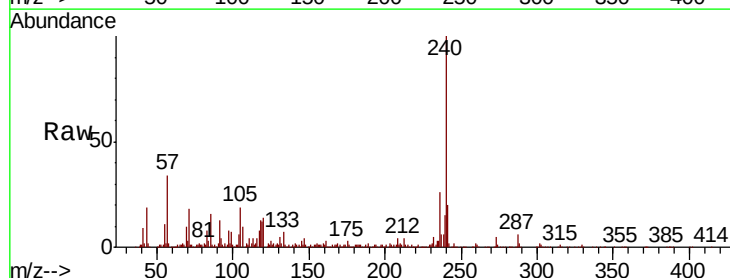
Abundance

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



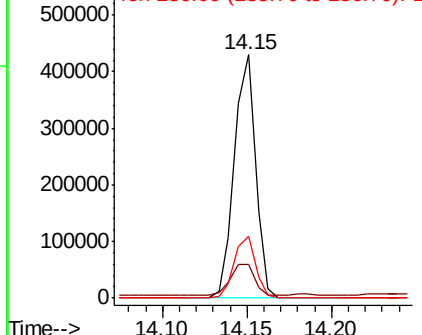
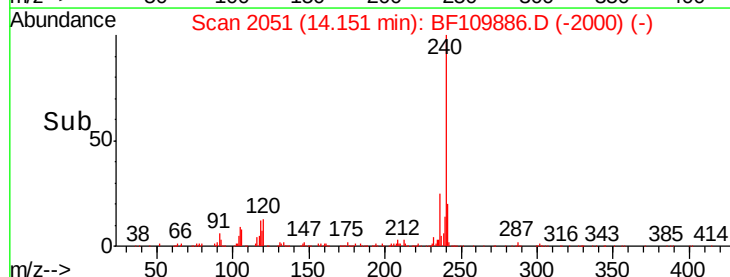
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.15 min Scan# 2051
 Delta R.T. 0.00 min
 Lab File: BF109886.D
 Acq: 15 Oct 2018 18:33

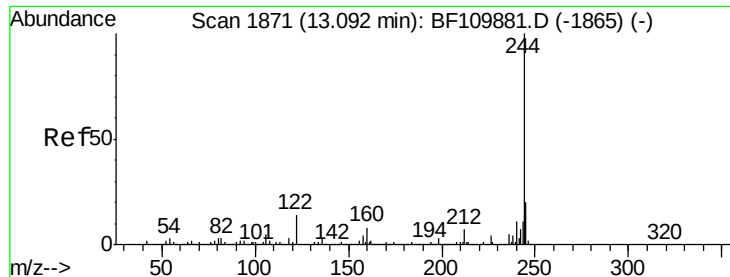
Tgt Ion:240 Resp: 377795
 Ion Ratio Lower Upper
 240 100
 120 13.6 8.3 12.5#
 236 25.5 21.2 31.8



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





#79

Terphenyl-d14

Concen: 64.893 ng

RT: 13.09 min Scan# 1871

Delta R.T. 0.00 min

Lab File: BF109886.D

Acq: 15 Oct 2018 18:33

Instrument :

BNA_F

ClientSampleId :

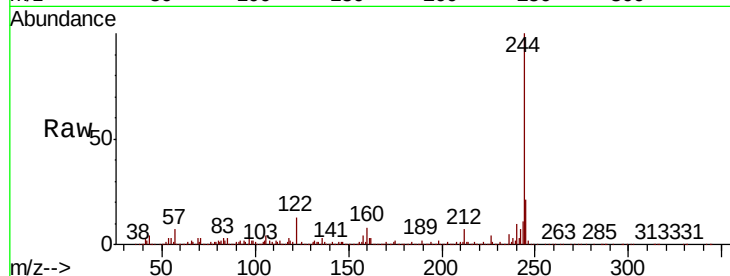
Tot Ion:244 Resp: 1167475

Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.8

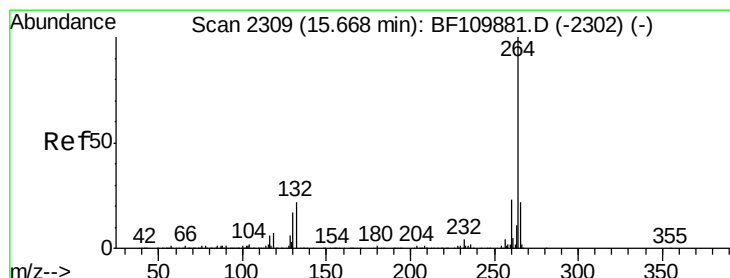
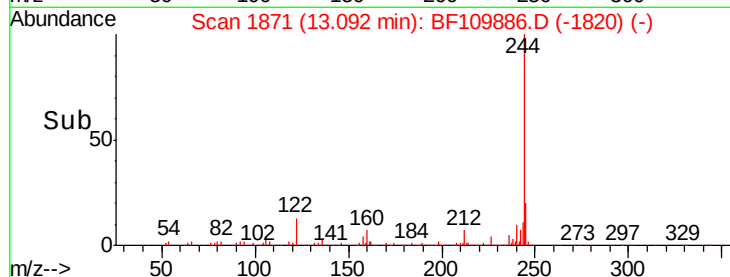
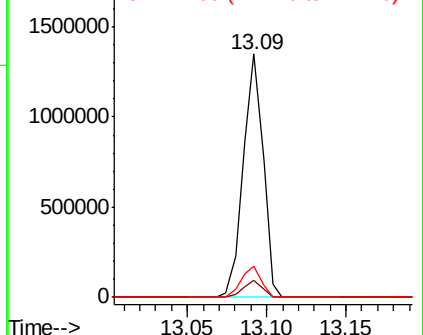
122 13.0 8.7 13.1



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.67 min Scan# 2309

Delta R.T. 0.00 min

Lab File: BF109886.D

Acq: 15 Oct 2018 18:33

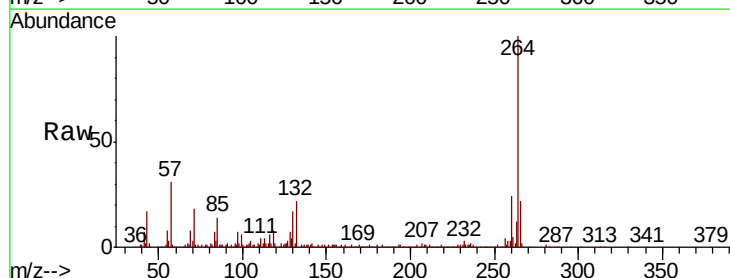
Tgt Ion:264 Resp: 462709

Ion Ratio Lower Upper

264 100

260 23.6 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

