

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101718\
 Data File : BF109938.D
 Acq On : 17 Oct 2018 23:29
 Operator : JU/SJ
 Sample : J5539-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 18 10:42:47 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

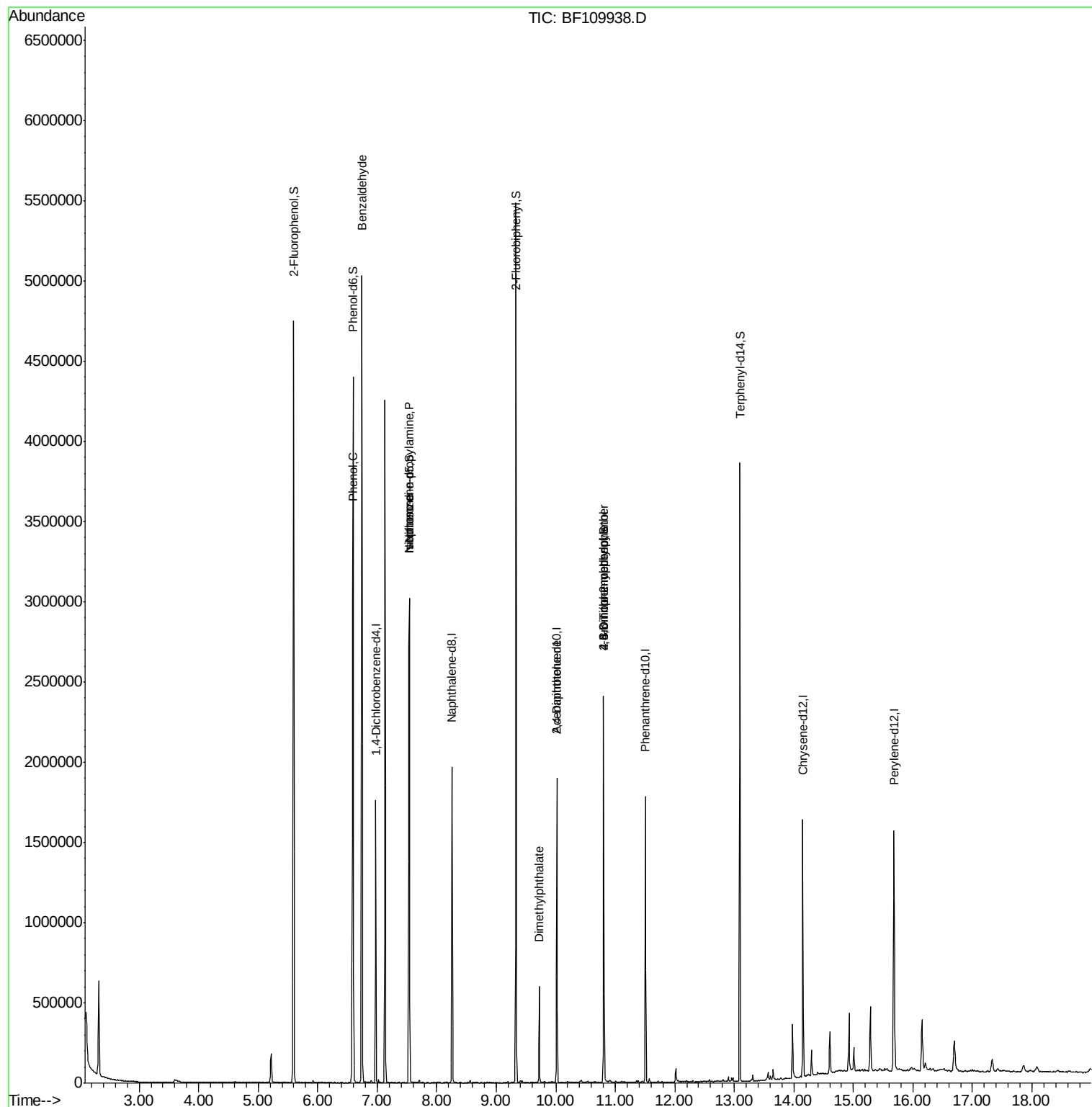
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	243561	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	896460	20.00	ng	-0.01
39) Acenaphthene-d10	10.02	164	363460	20.00	ng	-0.01
64) Phenanthrene-d10	11.51	188	587210	20.00	ng	0.00
76) Chrysene-d12	14.15	240	553188	20.00	ng	-0.01
87) Perylene-d12	15.68	264	551562	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	1308759	85.18	ng	0.00
7) Phenol-d6	6.59	99	1626554	85.25	ng	-0.01
23) Nitrobenzene-d5	7.54	82	973325	73.14	ng	-0.01
42) 2,4,6-Tribromophenol	10.81	330	300036	95.35	ng	0.00
45) 2-Fluorobiphenyl	9.33	172	1553581	68.21	ng	0.00
79) Terphenyl-d14	13.09	244	1251806	47.52	ng	-0.01
Target Compounds				Qvalue		
9) Benzaldehyde	6.75	77	29309	2.364	ng	82
10) Phenol	6.60	94	92679	4.499	ng	# 61
19) n-Nitroso-di-n-propylamine	7.54	70	128268	10.470	ng	# 78
25) Isophorone	7.54	82	973312	37.223	ng	# 67
50) Dimethylphthalate	9.72	163	204091	7.930	ng	100
57) 2,4-Dinitrotoluene	10.02	165	47721	11.573	ng	# 19
65) 4,6-Dinitro-2-methylphenol	10.80	198	387	8.056	ng	# 1
67) 4-Bromophenyl-phenylether	10.81	248	18480	2.904	ng	# 1

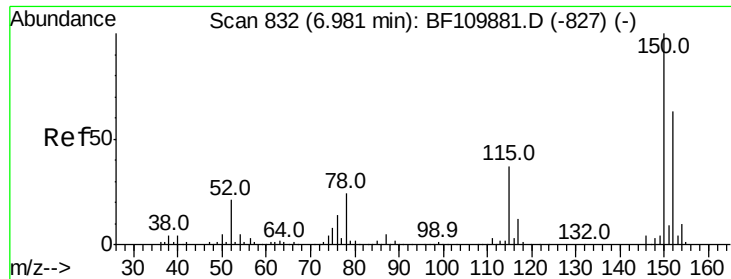
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BNA_F
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Quant Time: Oct 18 10:42:47 2018
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 16 14:58:24 2018
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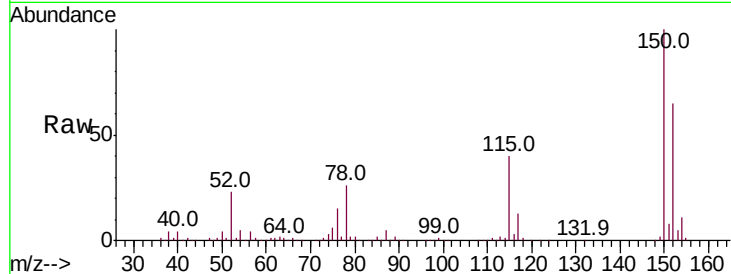


#1

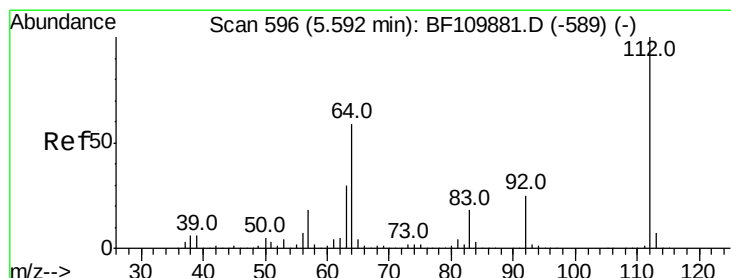
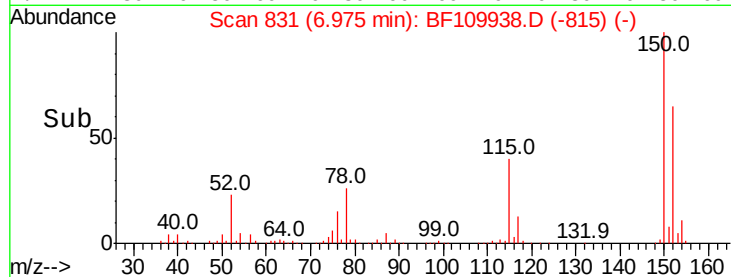
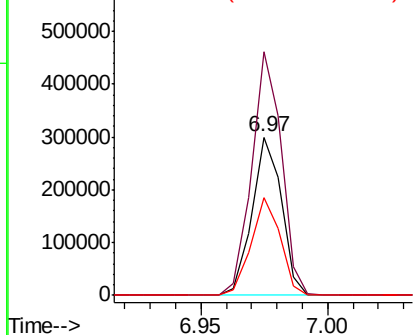
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 831
Delta R.T. -0.01 min
Lab File: BF109938.D
Acq: 17 Oct 2018 23:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 243561
Ion Ratio Lower Upper
152 100
150 154.1 122.7 184.1
115 61.5 49.1 73.7



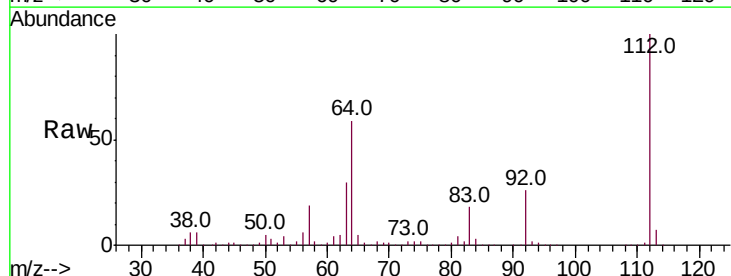
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



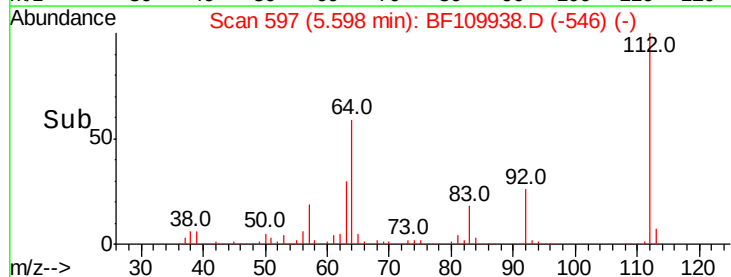
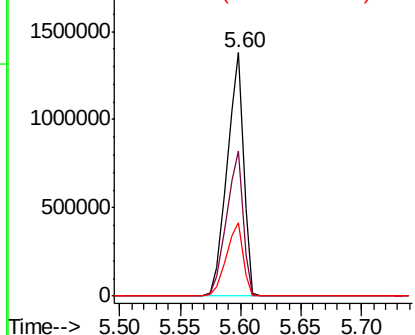
#5

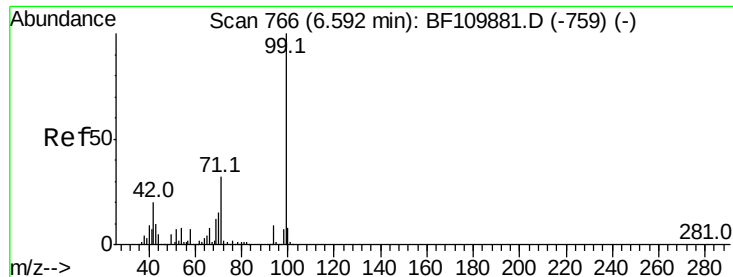
2-Fluorophenol
Concen: 85.176 ng
RT: 5.60 min Scan# 597
Delta R.T. -0.00 min
Lab File: BF109938.D
Acq: 17 Oct 2018 23:29

Tgt Ion:112 Resp: 1308759
Ion Ratio Lower Upper
112 100
64 59.3 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: 85.251 ng

RT: 6.59 min Scan# 766

Delta R.T. -0.01 min

Lab File: BF109938.D

Acq: 17 Oct 2018 23:29

Instrument :

BNA_F

ClientSampleId :

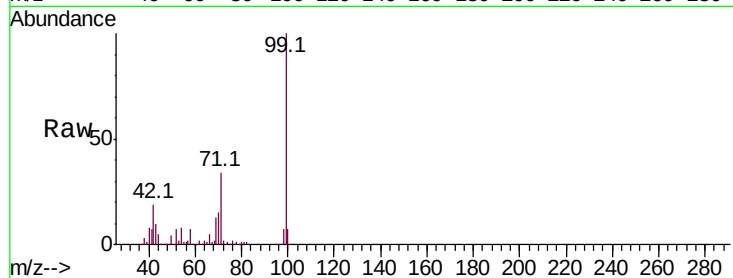
Tot Ion: 99 Resp: 1626554

Ion Ratio Lower Upper

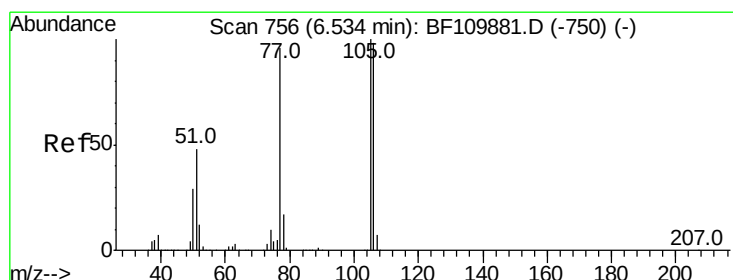
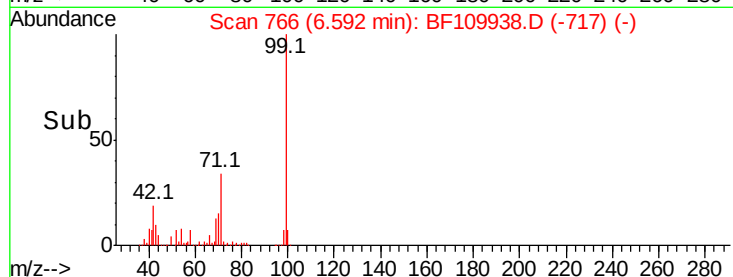
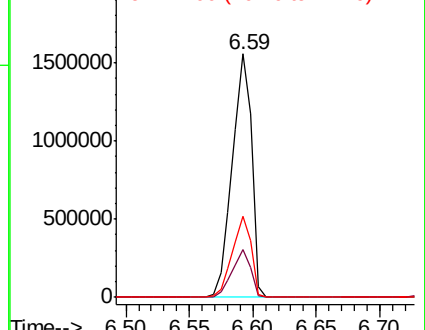
99 100

42 19.4 15.8 23.6

71 33.5 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



#9

Benzaldehyde

Concen: 2.364 ng

RT: 6.75 min Scan# 792

Delta R.T. 0.21 min

Lab File: BF109938.D

Acq: 17 Oct 2018 23:29

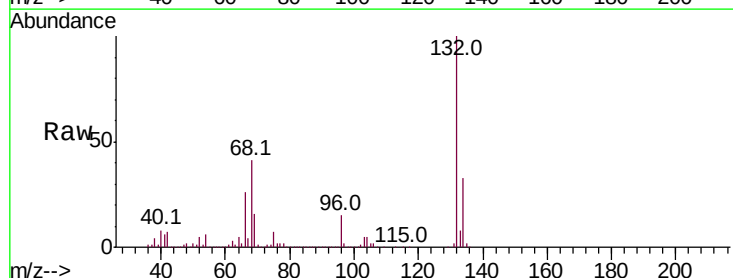
Tgt Ion: 77 Resp: 29309

Ion Ratio Lower Upper

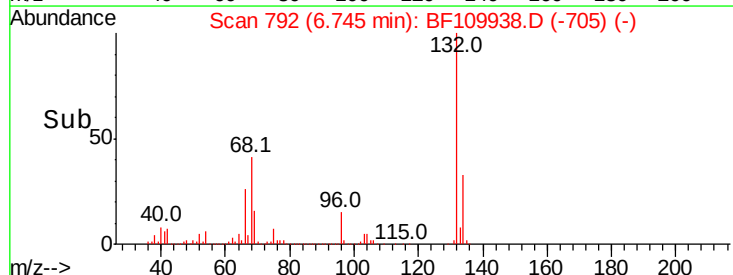
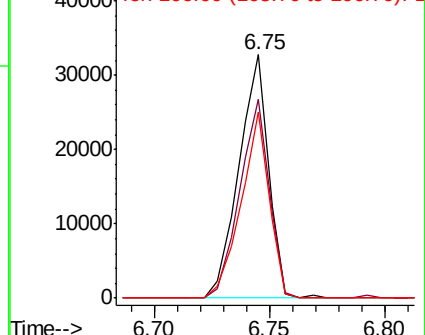
77 100

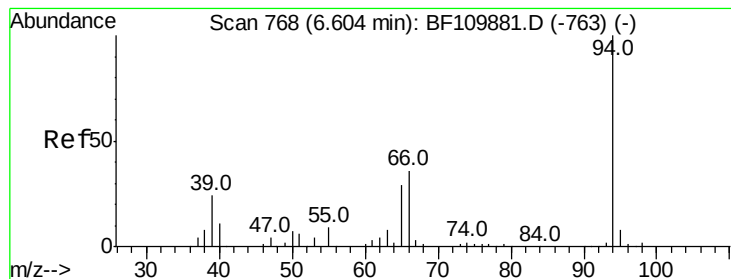
105 81.4 78.6 118.6

106 76.1 74.8 114.8



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): BF1
Ion 106.00 (105.70 to 106.70): BF1





#10

Phenol

Concen: 4.499 ng

RT: 6.60 min Scan# 768

Delta R.T. -0.01 min

Lab File: BF109938.D

Acq: 17 Oct 2018 23:29

Instrument :

BNA_F

ClientSampleId :

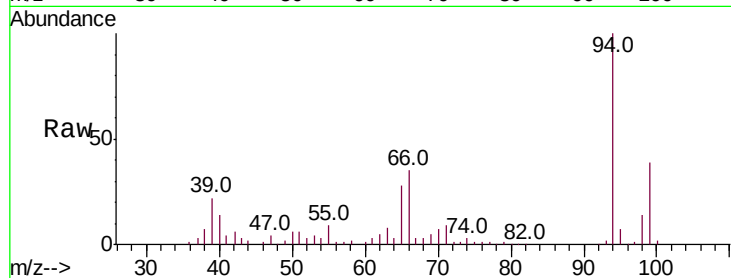
Tot Ion: 94 Resp: 92679

Ion Ratio Lower Upper

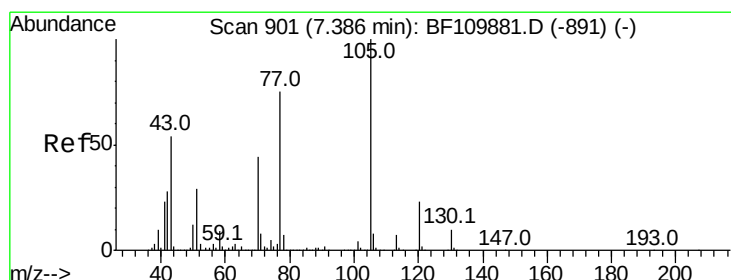
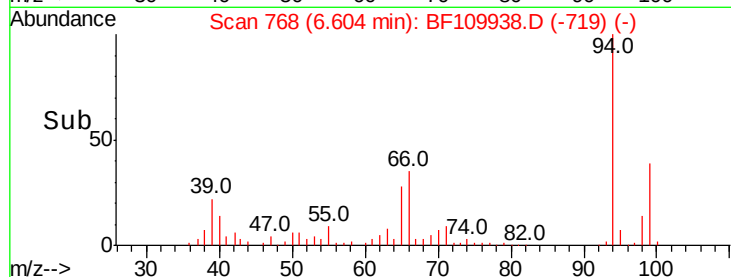
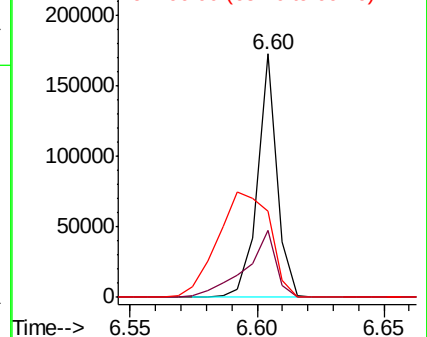
94 100

65 27.6 25.3 65.3

66 35.2 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



#19

n-Nitroso-di-n-propylamine

Concen: 10.470 ng

RT: 7.54 min Scan# 927

Delta R.T. 0.15 min

Lab File: BF109938.D

Acq: 17 Oct 2018 23:29

Tgt Ion: 70 Resp: 128268

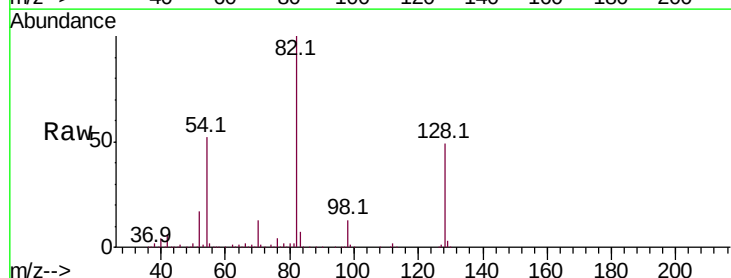
Ion Ratio Lower Upper

70 100

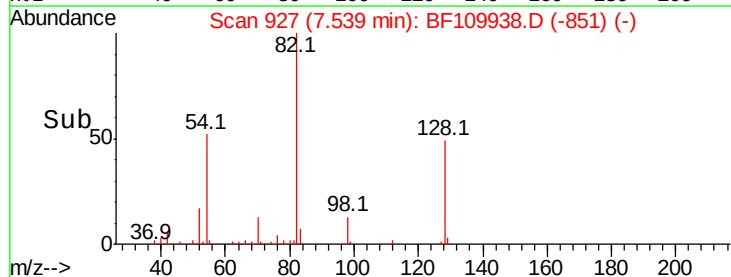
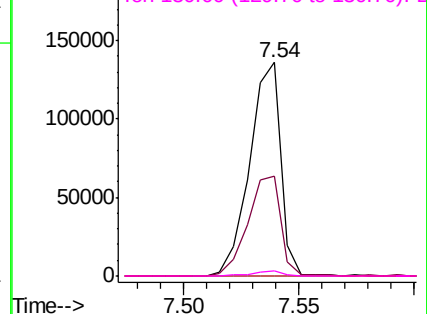
42 46.9 47.4 71.2#

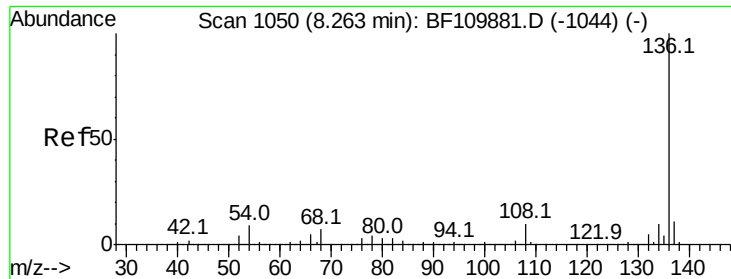
101 0.0 7.3 10.9#

130 2.7 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

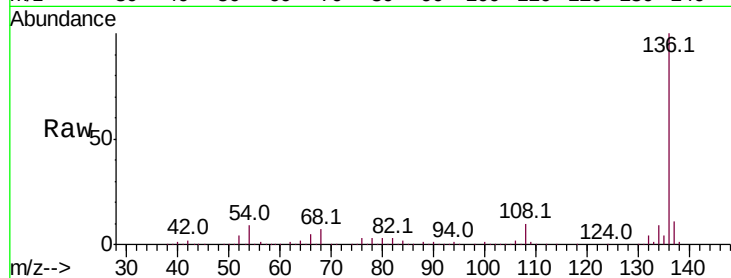




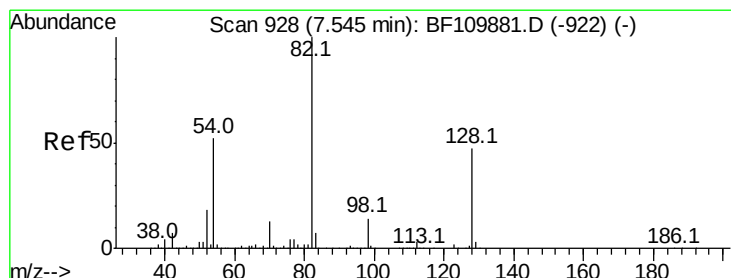
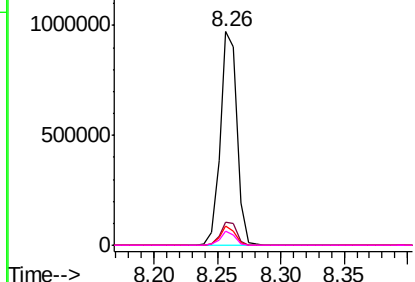
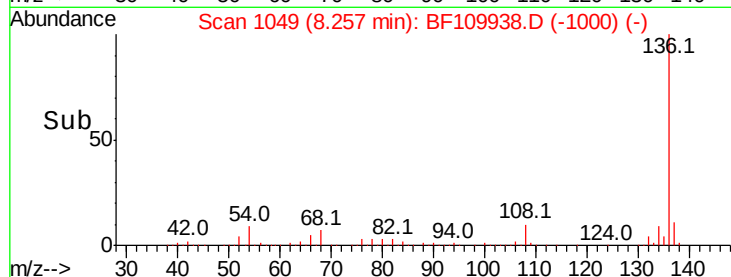
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.26 min Scan# 1049
Delta R.T. -0.01 min
Lab File: BF109938.D
Acq: 17 Oct 2018 23:29

Instrument :
BNA_F
ClientSampled :

Tot Ion:	136	Resp:	896460
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	9.1	5.4	8.2#
68	6.5	4.2	6.2#

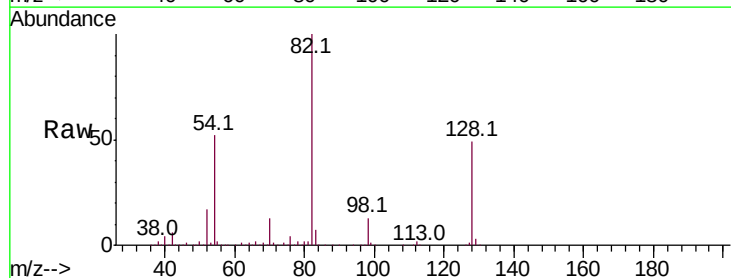


Abundance Ion 136.00 (135.70 to 136.70): E
1500000
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

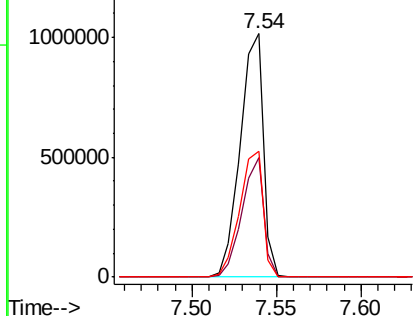
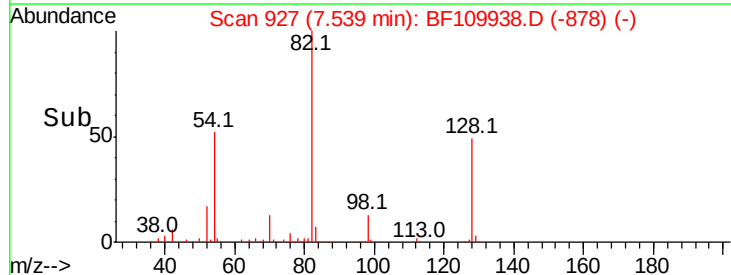


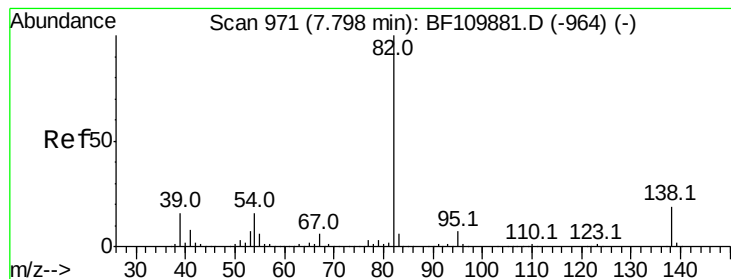
#23
Nitrobenzene-d5
Concen: 73.140 ng
RT: 7.54 min Scan# 927
Delta R.T. -0.01 min
Lab File: BF109938.D
Acq: 17 Oct 2018 23:29

Tgt Ion:	82	Resp:	973325
Ion	Ratio	Lower	Upper
82	100		
128	48.8	34.2	51.2
54	51.7	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: 37.223 ng

RT: 7.54 min Scan# 927

Delta R.T. -0.26 min

Lab File: BF109938.D

Acq: 17 Oct 2018 23:29

Instrument :

BNA_F

ClientSampled :

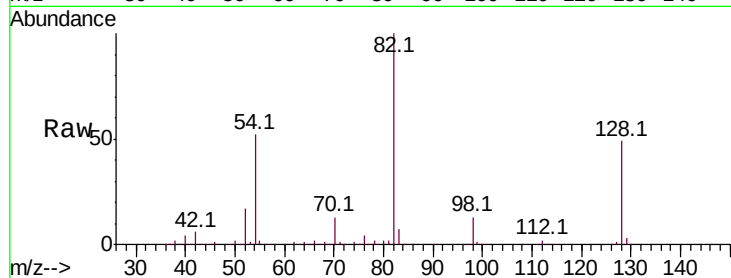
Tot Ion: 82 Resp: 973312

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

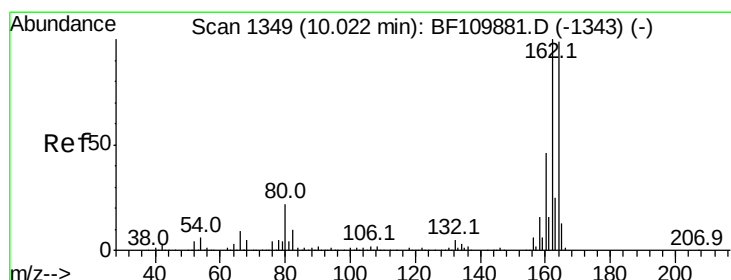
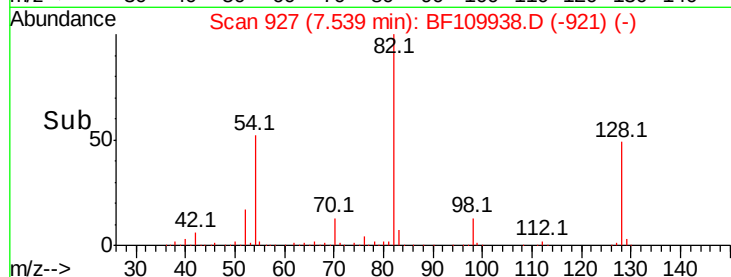
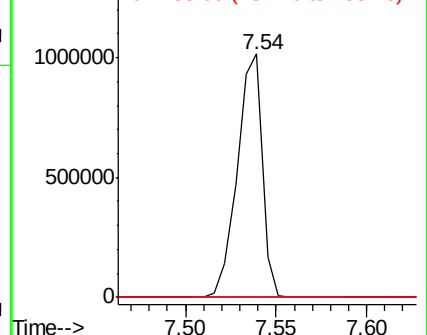
138 0.0 13.2 19.8#



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: BF109938.D

Acq: 17 Oct 2018 23:29

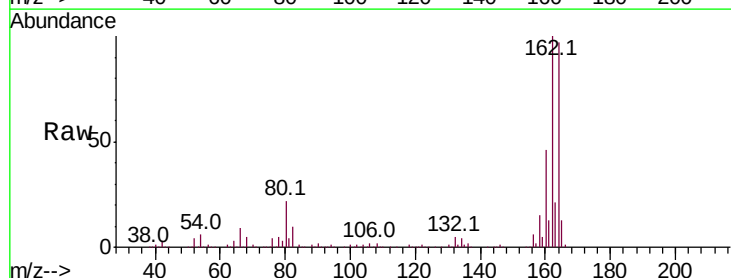
Tgt Ion:164 Resp: 363460

Ion Ratio Lower Upper

164 100

162 103.3 83.0 124.6

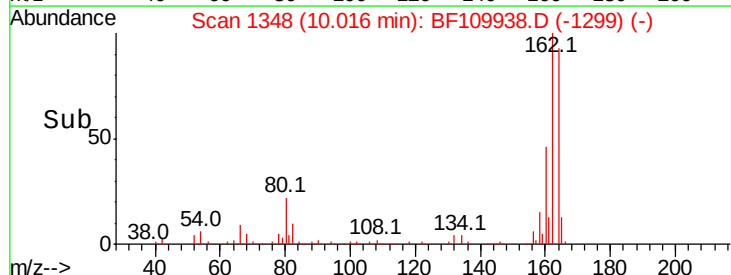
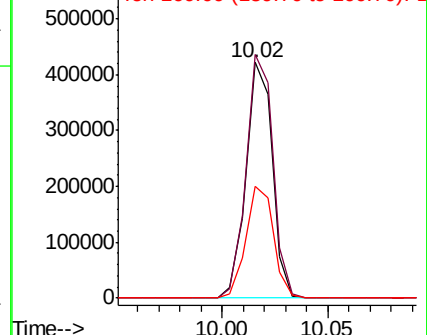
160 47.3 37.0 55.6

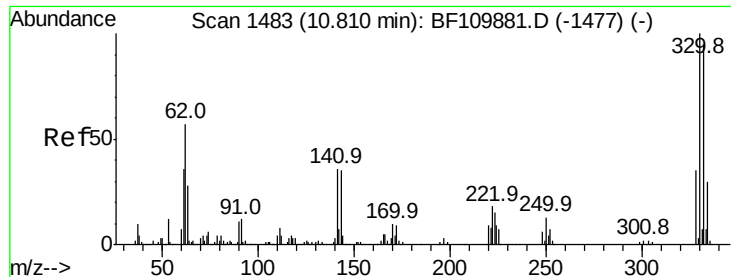


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

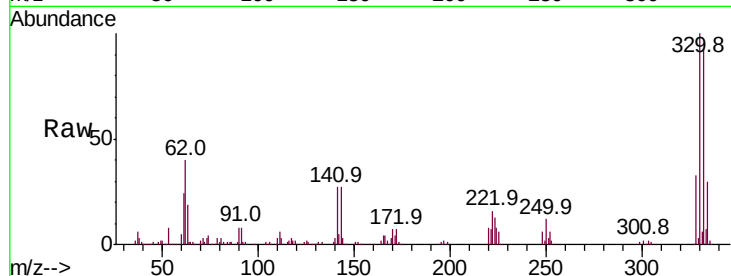




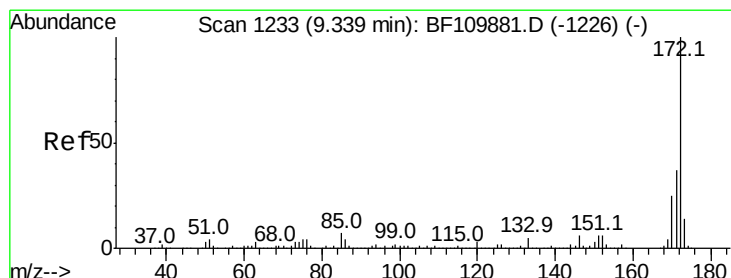
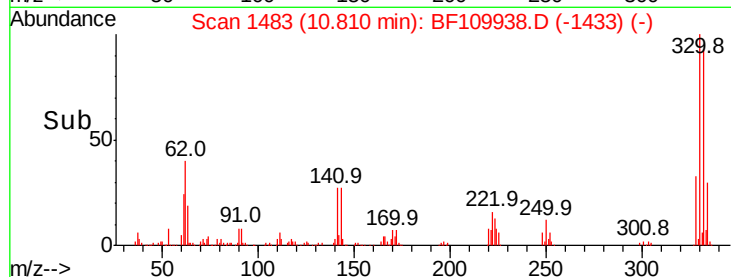
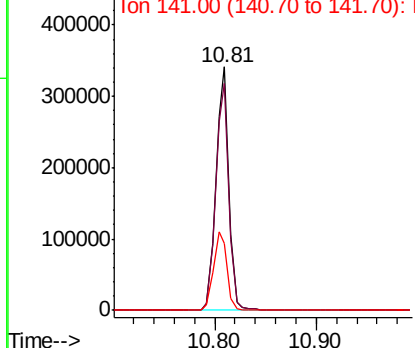
#42
 2,4,6-Tribromophenol
 Concen: 95.348 ng
 RT: 10.81 min Scan# 1483
 Delta R.T. -0.01 min
 Lab File: BF109938.D
 Acq: 17 Oct 2018 23:29

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.2	77.1	115.7
141	34.0	27.0	40.4

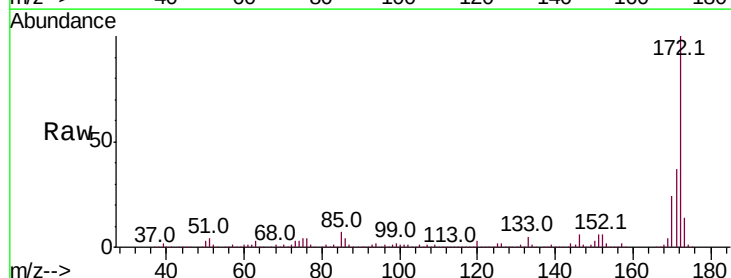


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

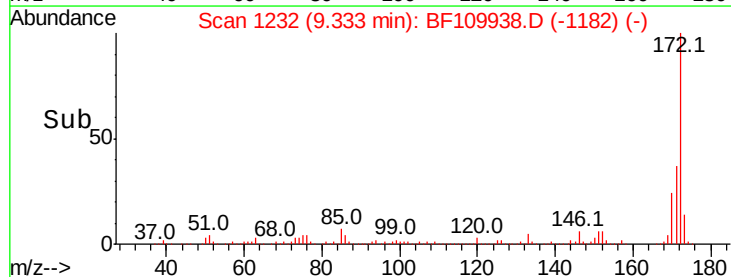
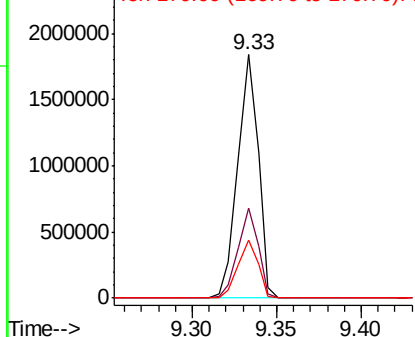


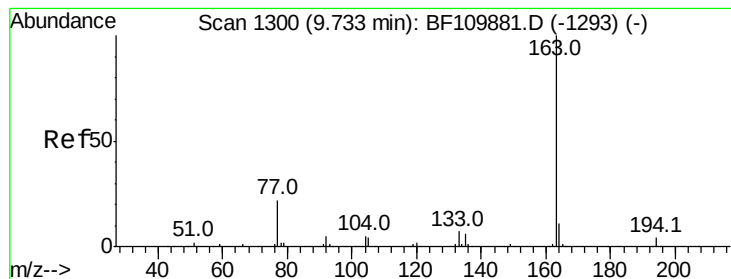
#45
 2-Fluorobiphenyl
 Concen: 68.205 ng
 RT: 9.33 min Scan# 1232
 Delta R.T. -0.01 min
 Lab File: BF109938.D
 Acq: 17 Oct 2018 23:29

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.1	28.6	43.0
170	24.0	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: 7.930 ng

RT: 9.72 min Scan# 1298

Delta R.T. -0.02 min

Lab File: BF109938.D

Acq: 17 Oct 2018 23:29

Instrument :

BNA_F

ClientSampleId :

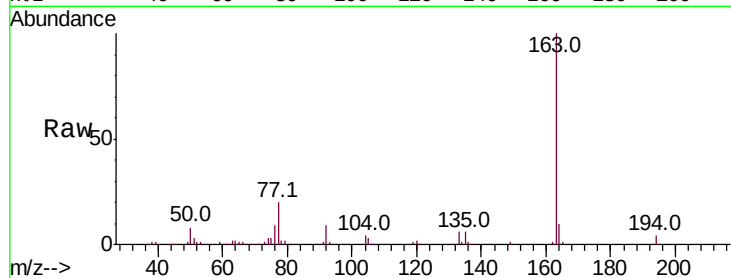
Tot Ion:163 Resp: 204091

Ion Ratio Lower Upper

163 100

194 3.6 3.2 4.8

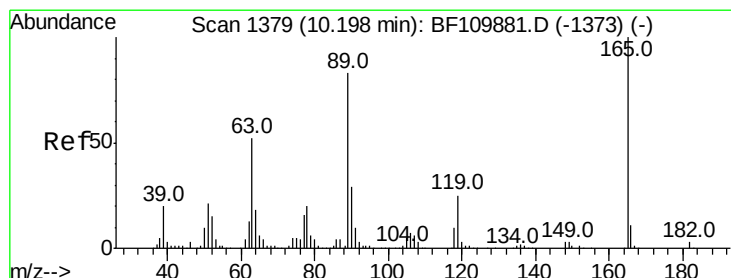
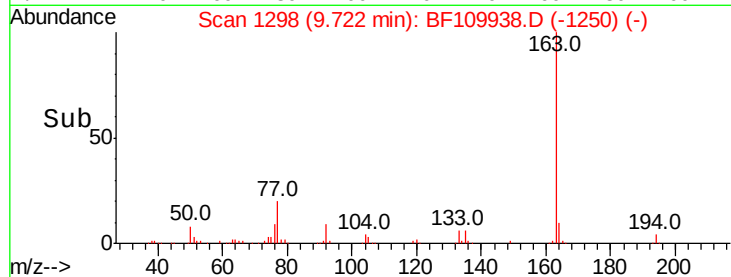
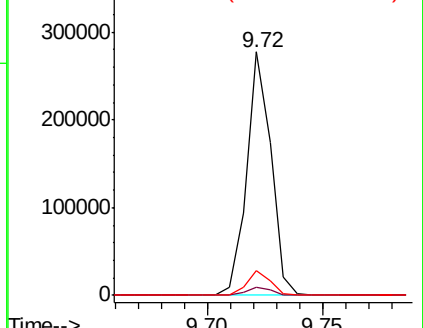
164 10.1 8.1 12.1



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



#57

2,4-Dinitrotoluene

Concen: 11.573 ng

RT: 10.02 min Scan# 1348

Delta R.T. -0.19 min

Lab File: BF109938.D

Acq: 17 Oct 2018 23:29

Tgt Ion:165 Resp: 47721

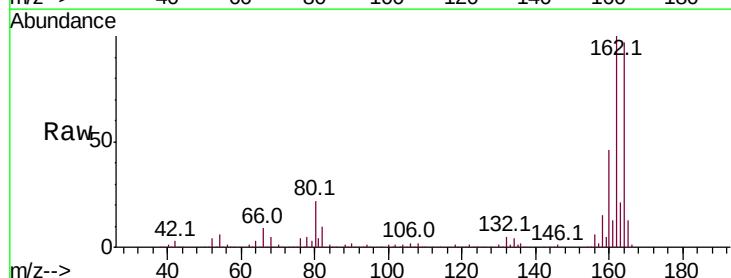
Ion Ratio Lower Upper

165 100

63 1.1 44.8 67.2#

89 1.3 62.2 93.4#

182 0.0 2.1 3.1#

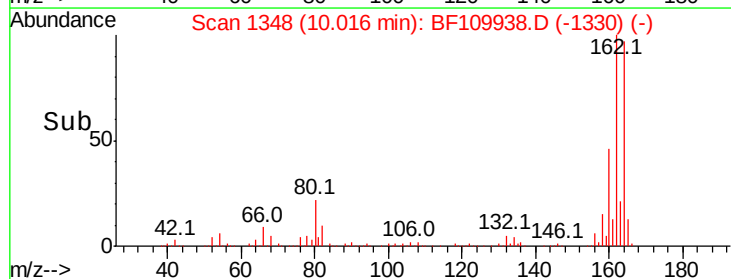
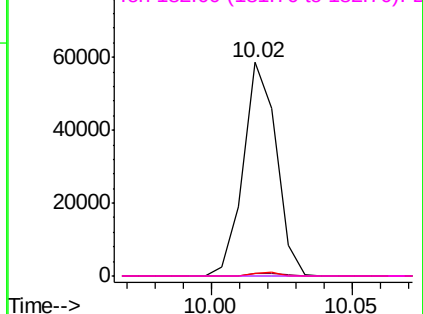


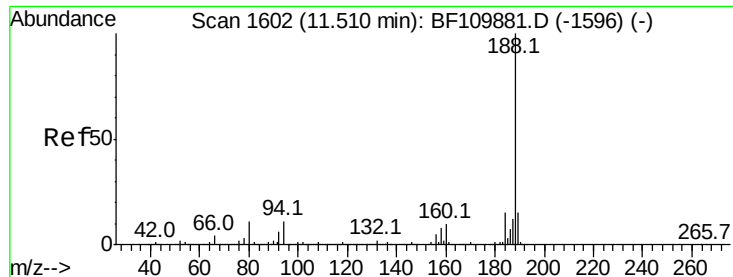
Abundance Ion 165.00 (164.70 to 165.70): E

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: BF109938.D

Acq: 17 Oct 2018 23:29

Instrument :

BNA_F

ClientSampled :

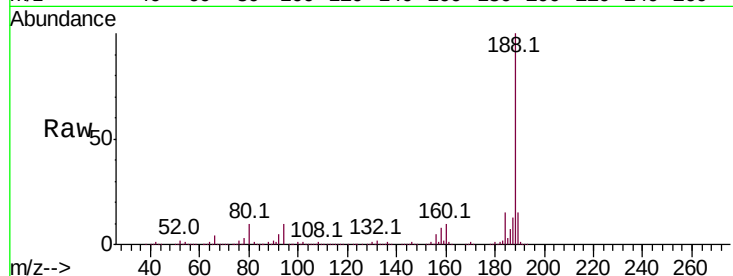
Tot Ion:188 Resp: 587210

Ion Ratio Lower Upper

188 100

94 9.9 7.2 10.8

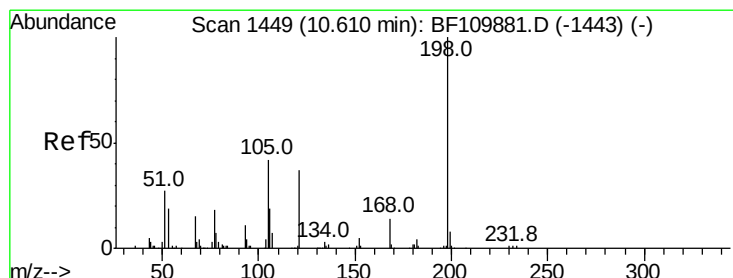
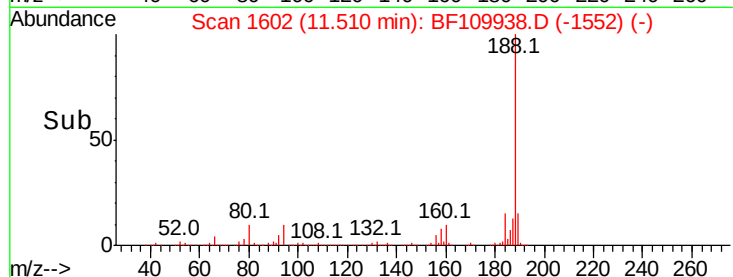
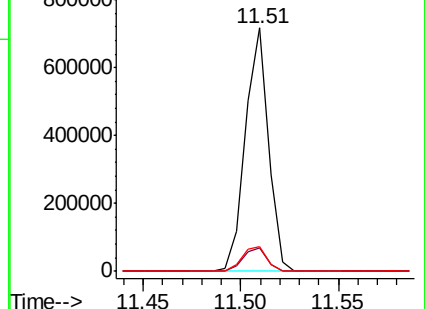
80 10.4 7.9 11.9



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: 8.056 ng

RT: 10.80 min Scan# 1482

Delta R.T. 0.18 min

Lab File: BF109938.D

Acq: 17 Oct 2018 23:29

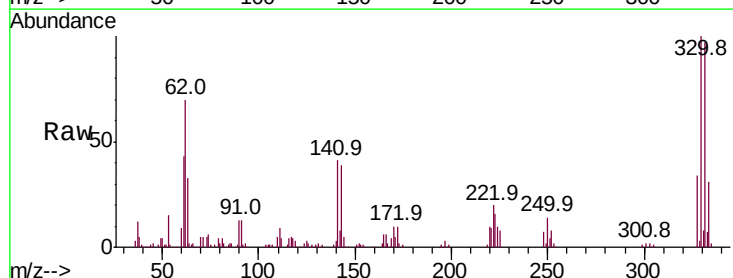
Tgt Ion:198 Resp: 387

Ion Ratio Lower Upper

198 100

51 263.6 22.8 62.8#

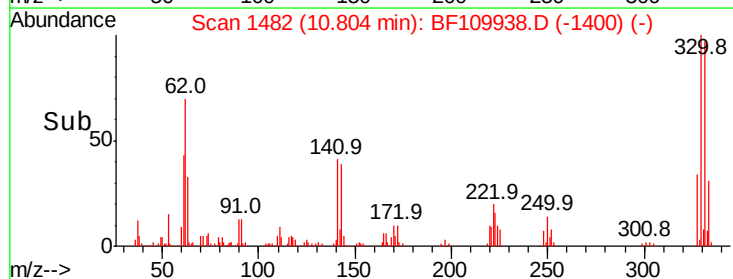
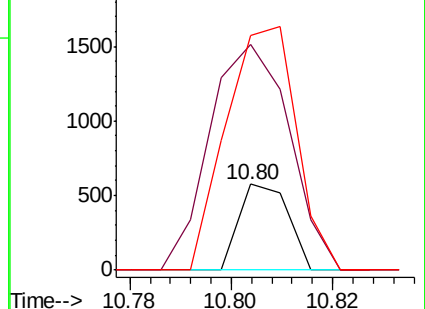
105 274.7 23.6 63.6#

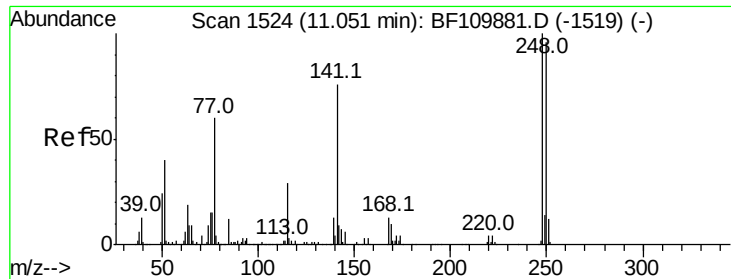


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

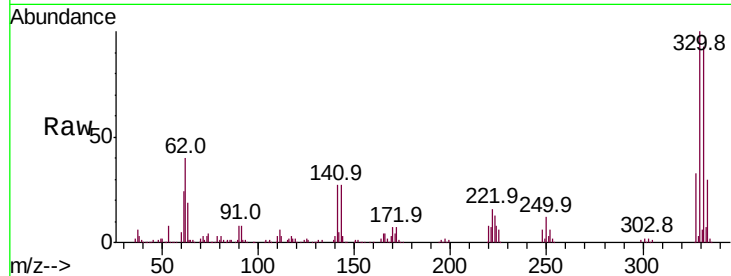




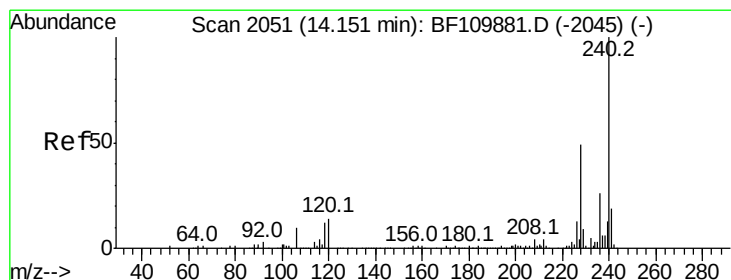
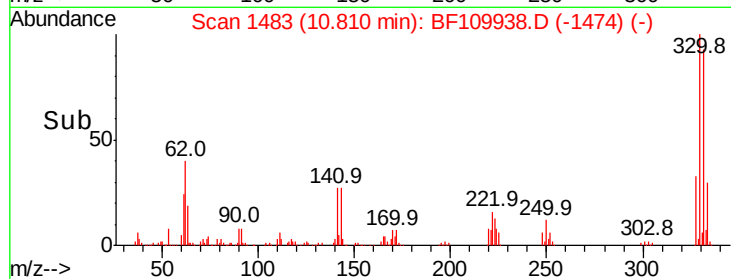
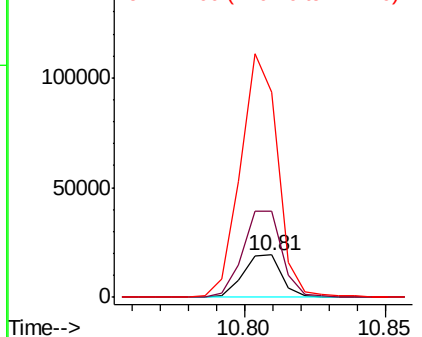
#67
4-Bromophenyl-phenylether
Concen: 2.904 ng
RT: 10.81 min Scan# 1483
Delta R.T. -0.25 min
Lab File: BF109938.D
Acq: 17 Oct 2018 23:29

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 18480
Ion Ratio Lower Upper
248 100
250 204.6 79.4 119.2#
141 484.6 55.9 83.9#

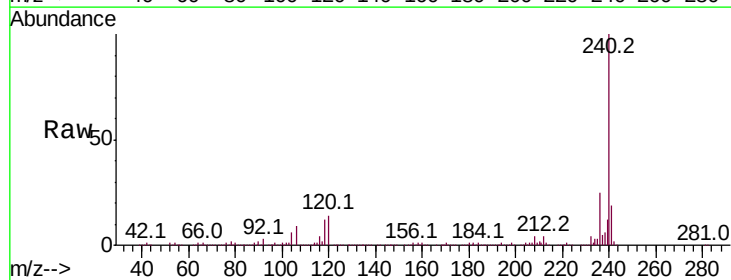


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

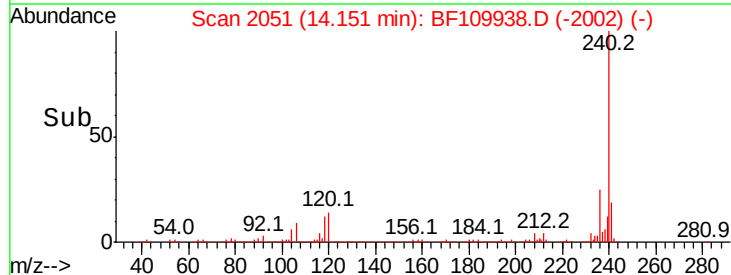
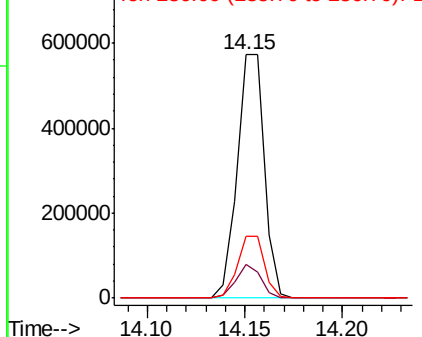


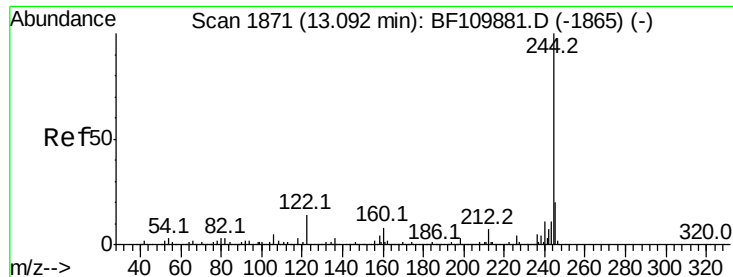
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.15 min Scan# 2051
Delta R.T. -0.01 min
Lab File: BF109938.D
Acq: 17 Oct 2018 23:29

Tgt Ion:240 Resp: 553188
Ion Ratio Lower Upper
240 100
120 13.9 8.3 12.5#
236 25.3 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



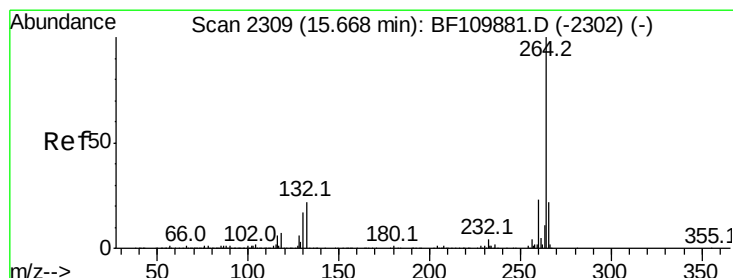
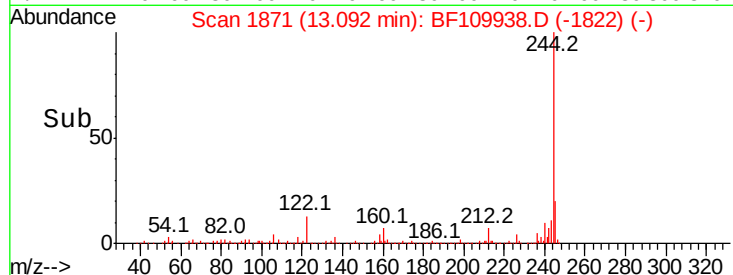
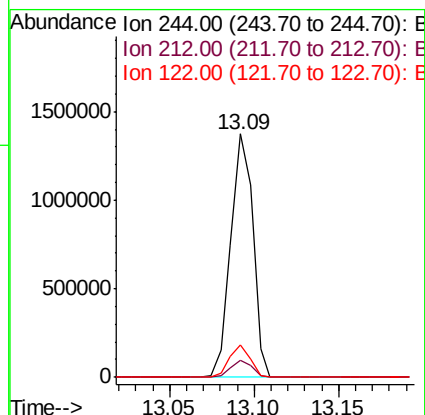
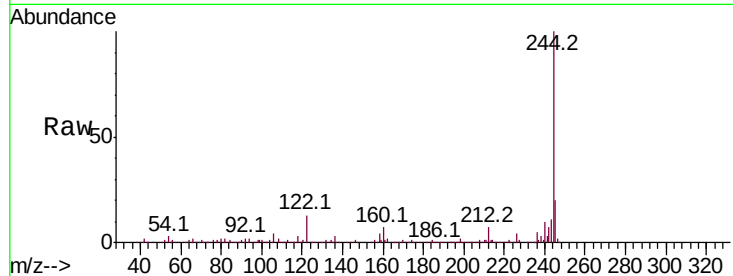


#79
 Terphenyl-d14
 Concen: 47.519 ng
 RT: 13.09 min Scan# 1871
 Delta R.T. -0.01 min
 Lab File: BF109938.D
 Acq: 17 Oct 2018 23:29

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 1251806

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.8	8.8
122	13.4	8.7	13.1#



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.68 min Scan# 2311
 Delta R.T. -0.01 min
 Lab File: BF109938.D
 Acq: 17 Oct 2018 23:29

Tgt Ion:264 Resp: 551562

Ion	Ratio	Lower	Upper
264	100		
260	22.4	18.7	28.1
265	21.6	16.7	25.1

