

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101918\
 Data File : BF110017.D
 Acq On : 19 Oct 2018 21:51
 Operator : JU/SJ
 Sample : J5588-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 20 00:10:05 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

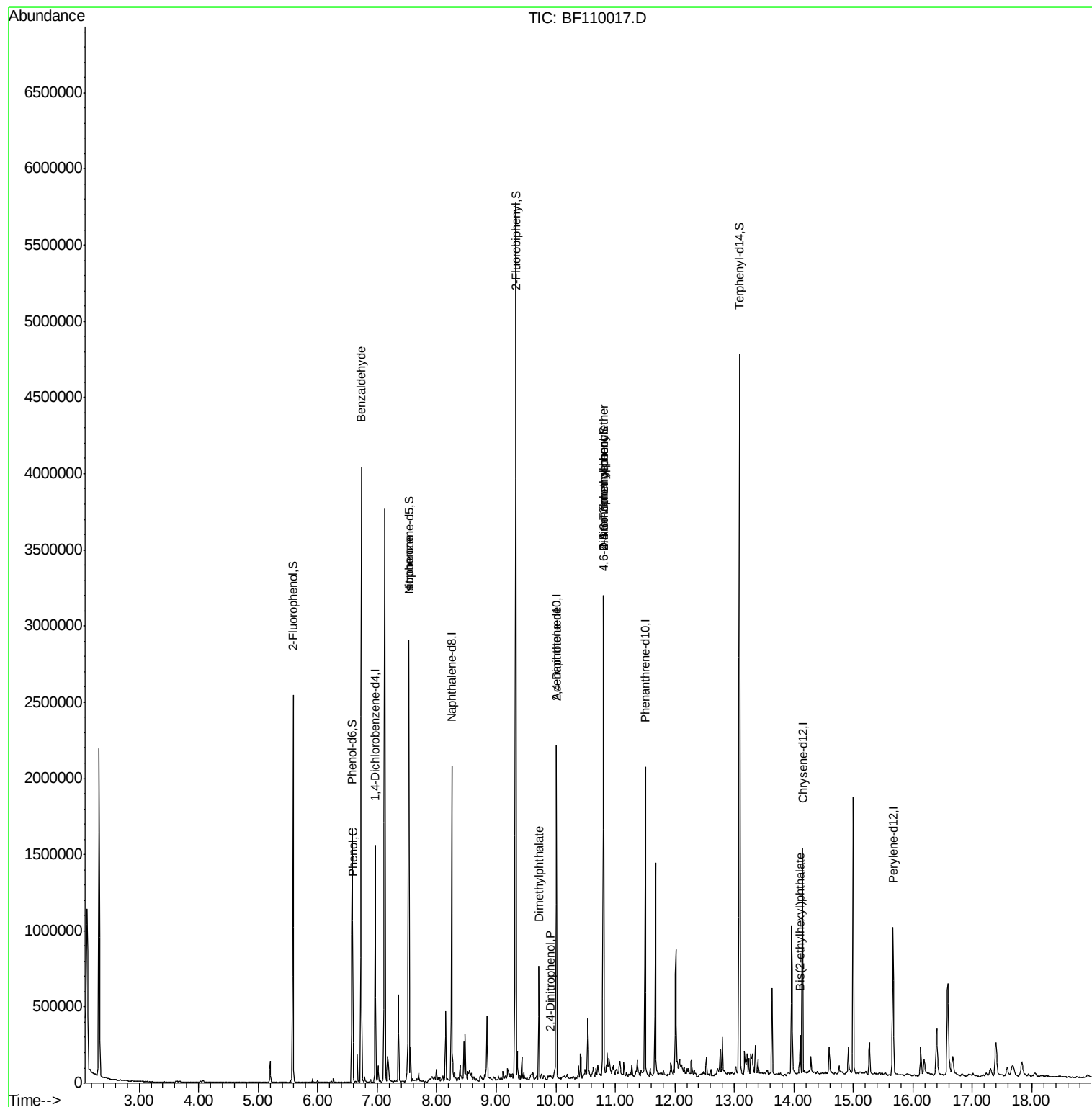
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	223987	20.00	ng	-0.01
21) Naphthalene-d8	8.25	136	884457	20.00	ng	-0.02
39) Acenaphthene-d10	10.01	164	405487	20.00	ng	-0.02
64) Phenanthrene-d10	11.50	188	737626	20.00	ng	-0.01
76) Chrysene-d12	14.14	240	462679	20.00	ng	-0.02
87) Perylene-d12	15.67	264	375464	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	641511	45.40	ng	-0.01
7) Phenol-d6	6.58	99	506596	28.87	ng	-0.02
23) Nitrobenzene-d5	7.53	82	1037001	78.98	ng	-0.02
42) 2,4,6-Tribromophenol	10.80	330	389685	111.00	ng	-0.01
45) 2-Fluorobiphenyl	9.33	172	1802292	70.92	ng	-0.01
79) Terphenyl-d14	13.09	244	1623425	73.68	ng	-0.02
Target Compounds						
9) Benzaldehyde	6.73	77	25437	2.231	ng	85
10) Phenol	6.59	94	125700	6.635	ng	# 64
25) Isophorone	7.53	82	1033152	40.047	ng	# 67
50) Dimethylphthalate	9.72	163	191500	6.670	ng	99
54) 2,4-Dinitrophenol	9.91	184	510	9.170	ng	# 12
57) 2,4-Dinitrotoluene	10.01	165	52498	11.476	ng	# 19
65) 4,6-Dinitro-2-methylphenol	10.79	198	2871	8.802	ng	# 41
67) 4-Bromophenyl-phenylether	10.80	248	25701	3.215	ng	# 1
84) Bis(2-ethylhexyl)phthalate	14.11	149	67371	3.727	ng	95

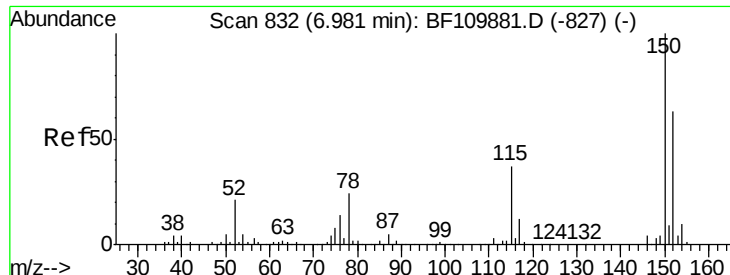
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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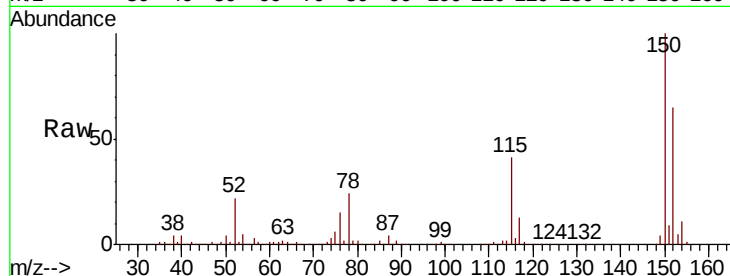


#1

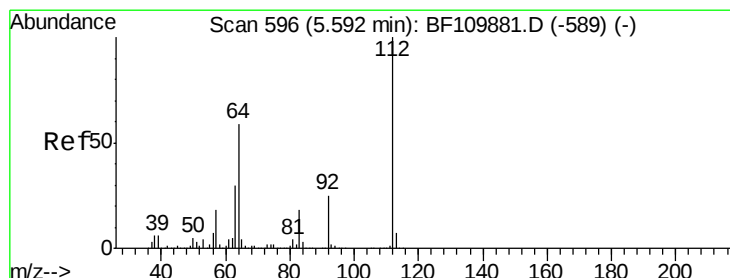
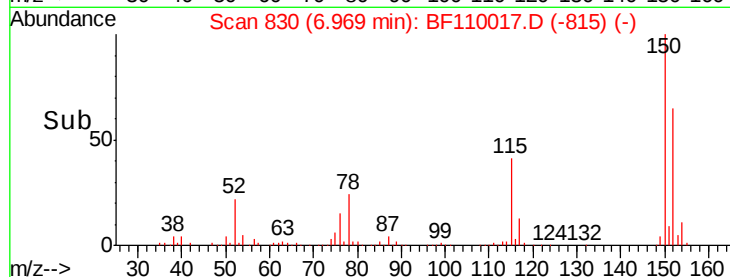
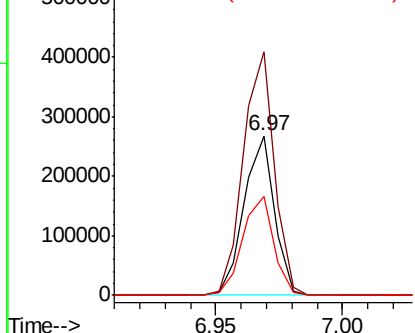
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.01 min
Lab File: BF110017.D
Acq: 19 Oct 2018 21:51

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.9	122.7	184.1
115	62.1	49.1	73.7



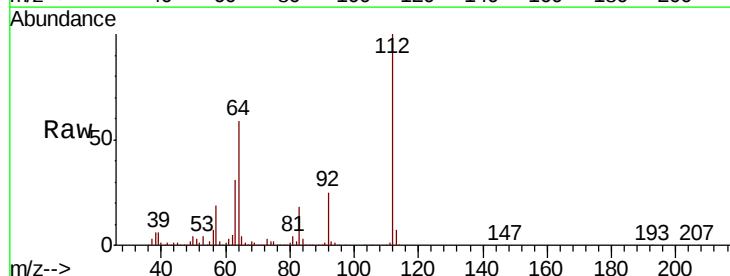
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



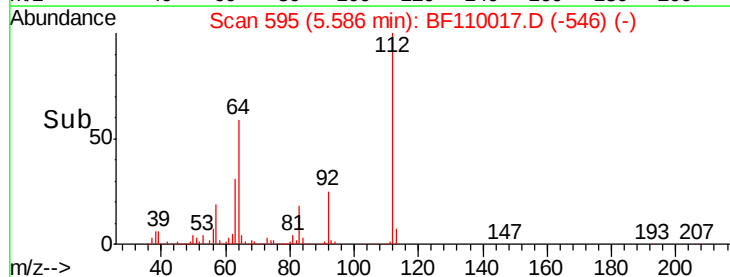
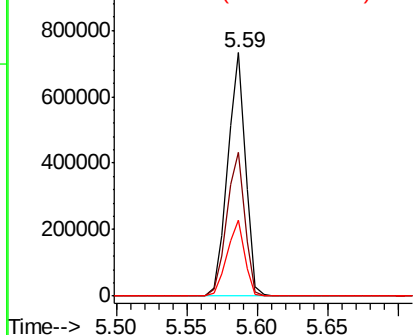
#5

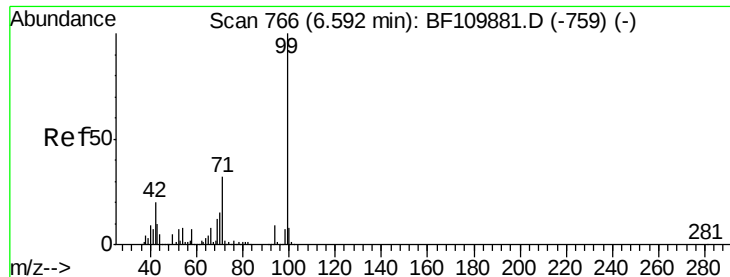
2-Fluorophenol
Concen: 45.399 ng
RT: 5.59 min Scan# 595
Delta R.T. -0.01 min
Lab File: BF110017.D
Acq: 19 Oct 2018 21:51

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.3	44.1	66.1
63	31.1	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: 28.872 ng

RT: 6.58 min Scan# 764

Delta R.T. -0.02 min

Lab File: BF110017.D

Acq: 19 Oct 2018 21:51

Instrument :

BNA_F

ClientSampleId :

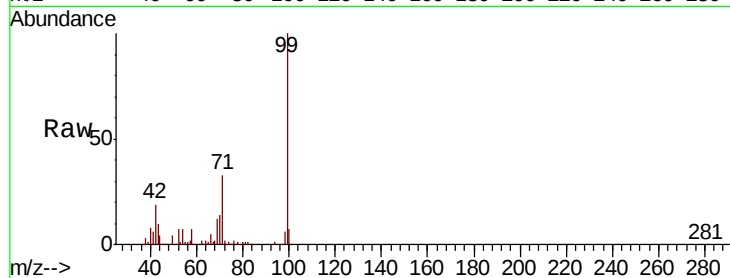
Tot Ion: 99 Resp: 506596

Ion Ratio Lower Upper

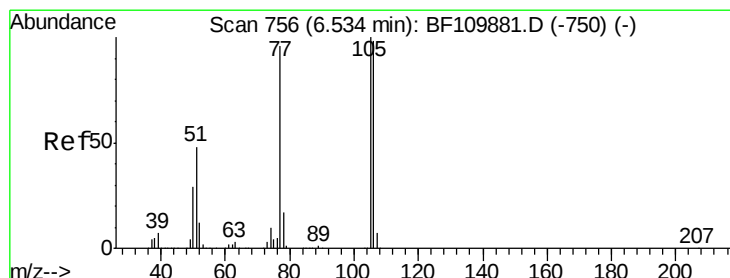
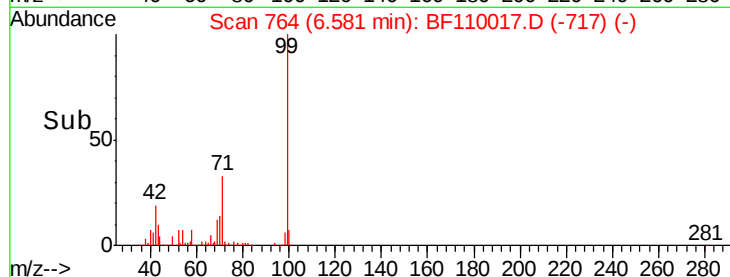
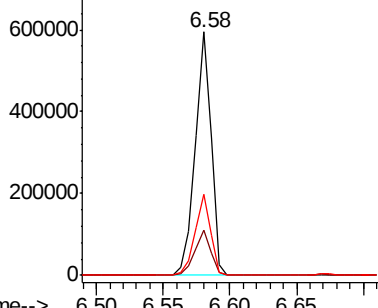
99 100

42 18.8 15.8 23.6

71 33.3 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



#9

Benzaldehyde

Concen: 2.231 ng

RT: 6.73 min Scan# 790

Delta R.T. 0.20 min

Lab File: BF110017.D

Acq: 19 Oct 2018 21:51

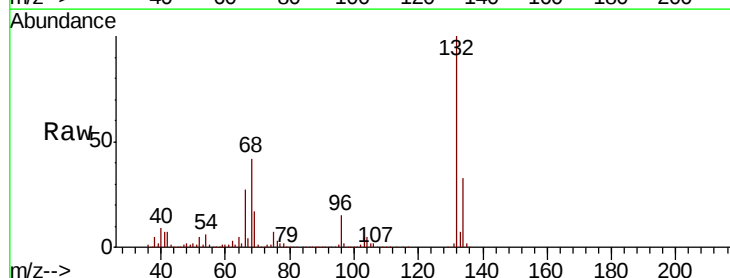
Tgt Ion: 77 Resp: 25437

Ion Ratio Lower Upper

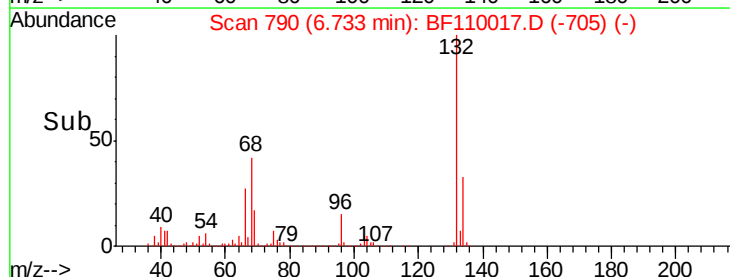
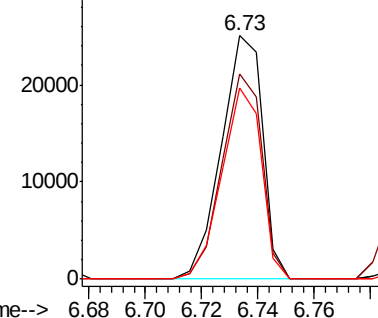
77 100

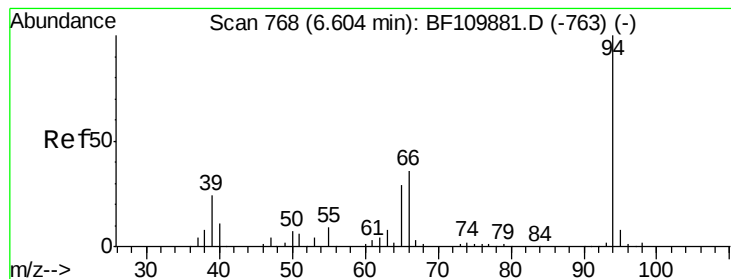
105 84.5 78.6 118.6

106 78.6 74.8 114.8



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





#10

Phenol

Concen: 6.635 ng

RT: 6.59 min Scan# 766

Delta R.T. -0.02 min

Lab File: BF110017.D

Acq: 19 Oct 2018 21:51

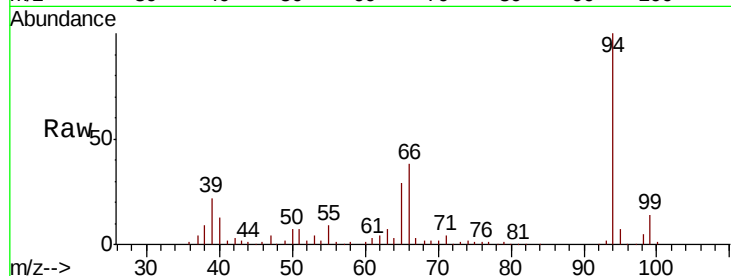
Instrument :

BNA_F

ClientSampled :

Tot Ion: 94 Resp: 125700

Ion	Ratio	Lower	Upper
94	100		
65	28.9	25.3	65.3
66	37.8	54.5	94.5#

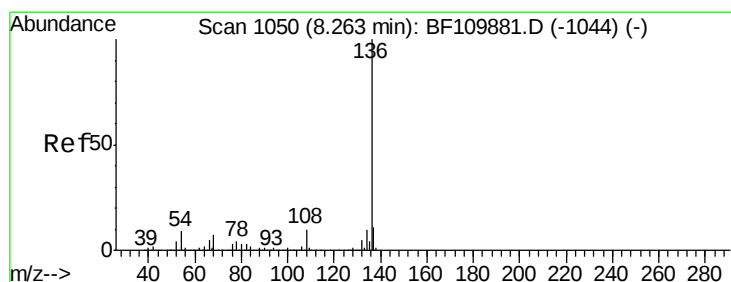
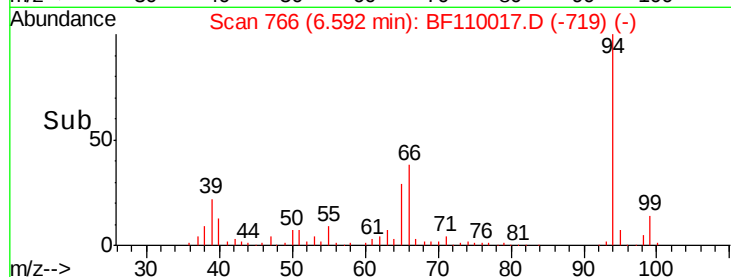
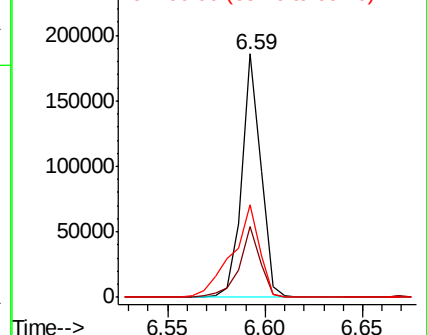


Abundance

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: 8.25 min Scan# 1048

Delta R.T. -0.02 min

Lab File: BF110017.D

Acq: 19 Oct 2018 21:51

Tgt Ion: 136 Resp: 884457

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	8.3	5.4	8.2#
68	5.8	4.2	6.2

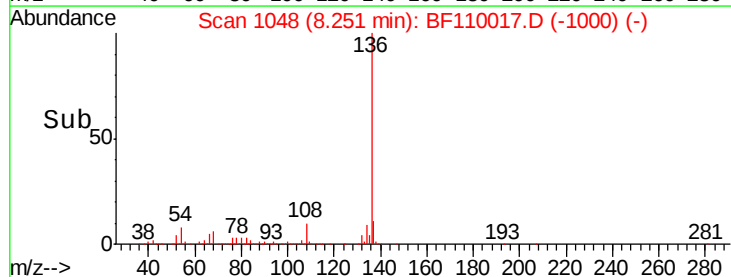
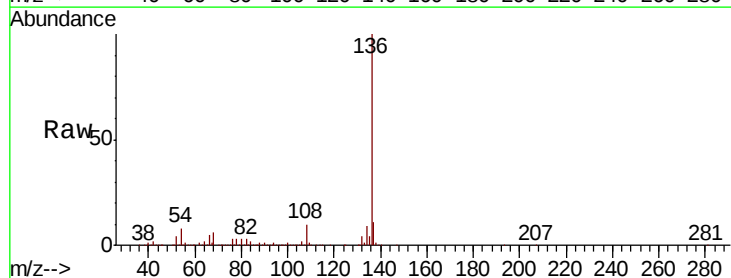
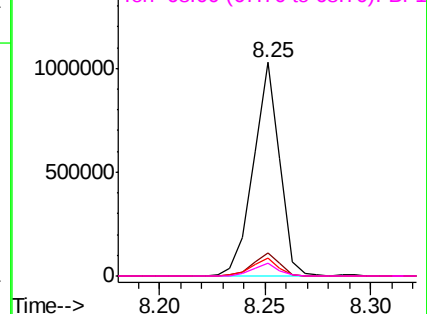
Abundance

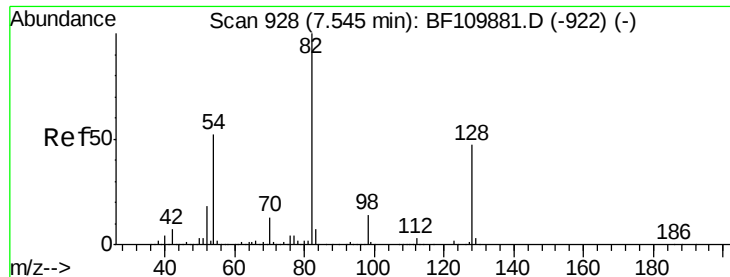
Ion 136.00 (135.70 to 136.70): E

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

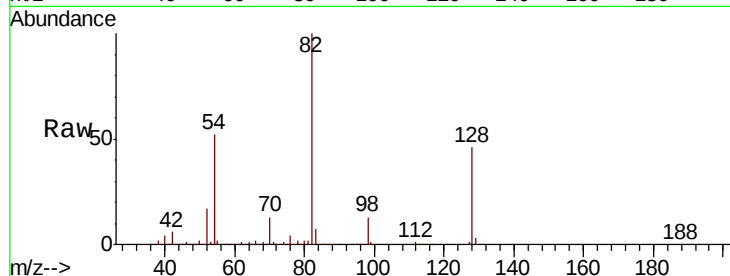




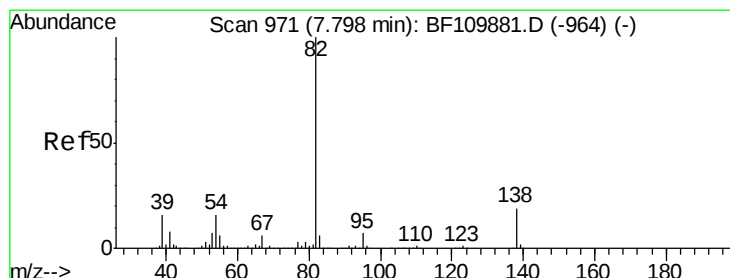
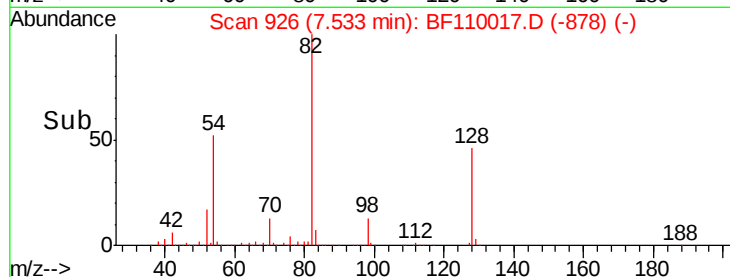
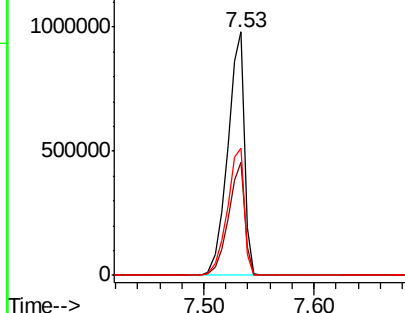
#23
Nitrobenzene-d5
Concen: 78.982 ng
RT: 7.53 min Scan# 926
Delta R.T. -0.02 min
Lab File: BF110017.D
Acq: 19 Oct 2018 21:51

Instrument :
BNA_F
ClientSampled :

Tot Ion: 82 Resp: 1037001
Ion Ratio Lower Upper
82 100
128 46.5 34.2 51.2
54 52.0 38.6 58.0

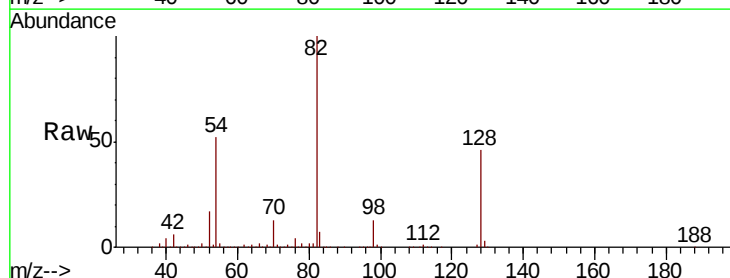


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

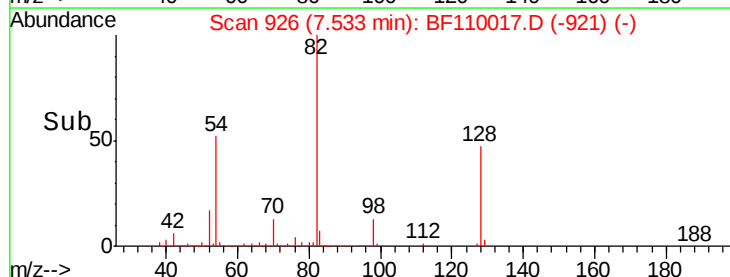
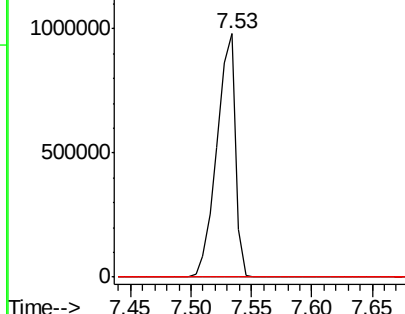


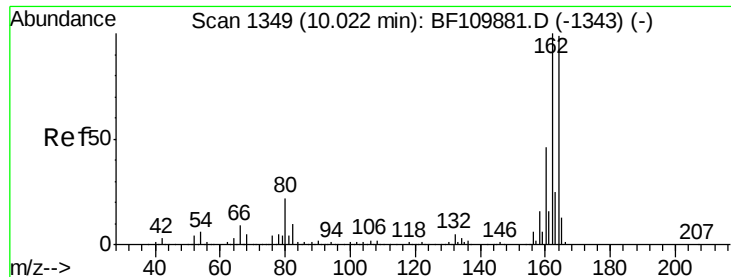
#25
Isophorone
Concen: 40.047 ng
RT: 7.53 min Scan# 926
Delta R.T. -0.27 min
Lab File: BF110017.D
Acq: 19 Oct 2018 21:51

Tgt Ion: 82 Resp: 1033152
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

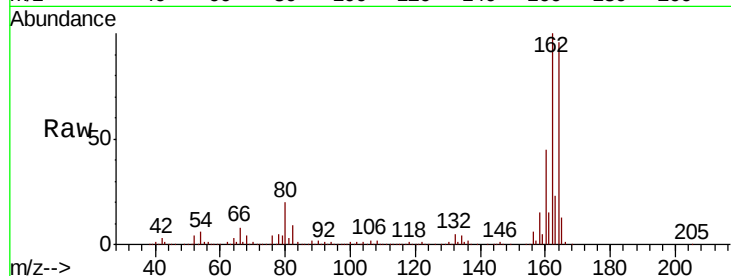




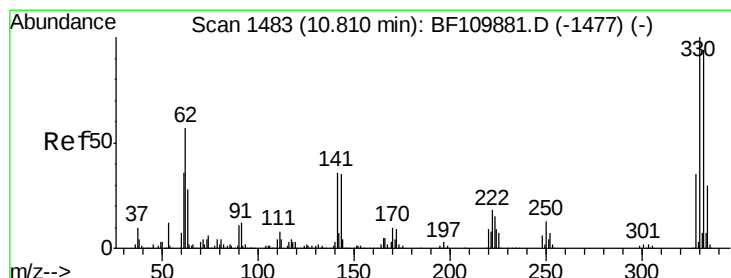
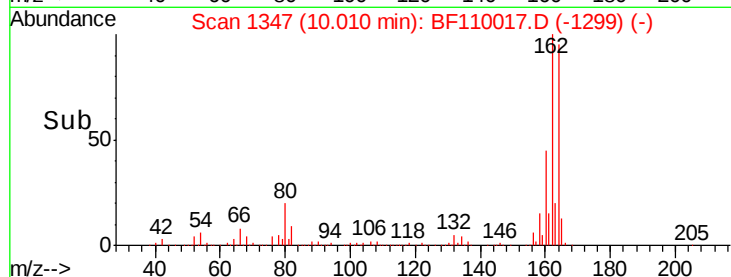
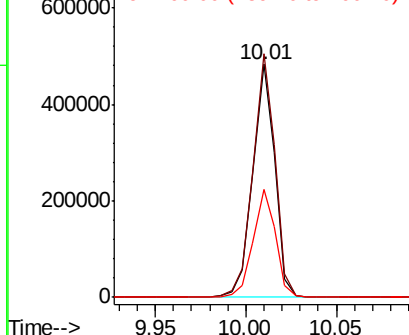
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.01 min Scan# 1347
Delta R.T. -0.02 min
Lab File: BF110017.D
Acq: 19 Oct 2018 21:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 405487
Ion Ratio Lower Upper
164 100
162 104.4 83.0 124.6
160 46.5 37.0 55.6

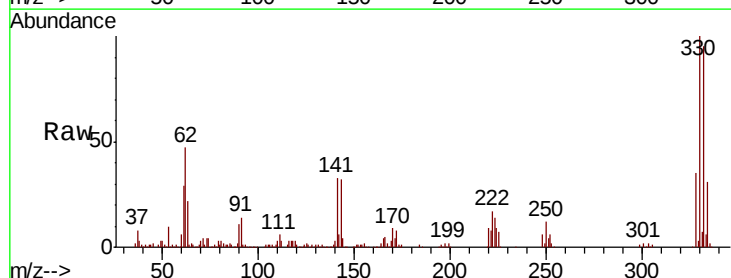


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

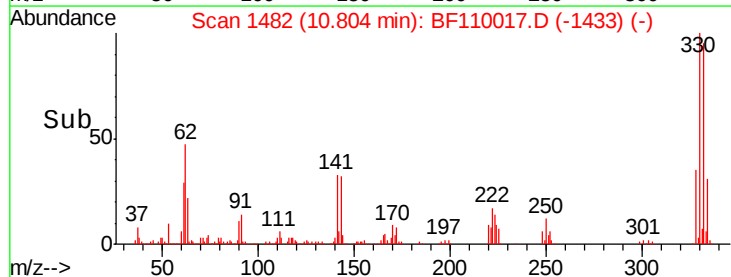
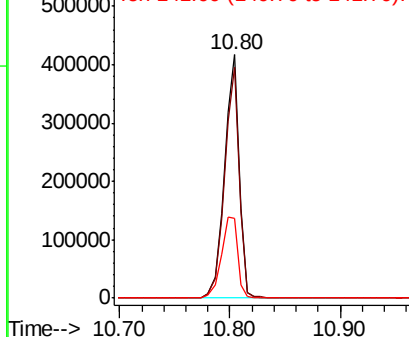


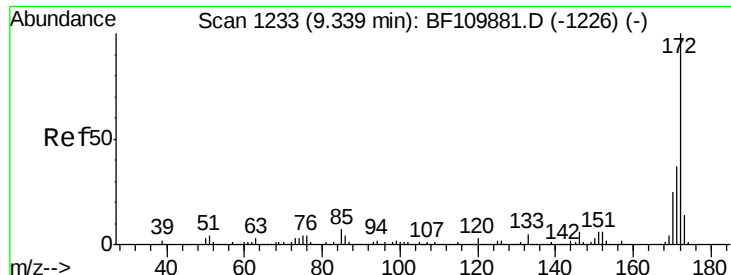
#42
2,4,6-Tribromophenol
Concen: 111.002 ng
RT: 10.80 min Scan# 1482
Delta R.T. -0.01 min
Lab File: BF110017.D
Acq: 19 Oct 2018 21:51

Tgt Ion:330 Resp: 389685
Ion Ratio Lower Upper
330 100
332 94.8 77.1 115.7
141 37.1 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

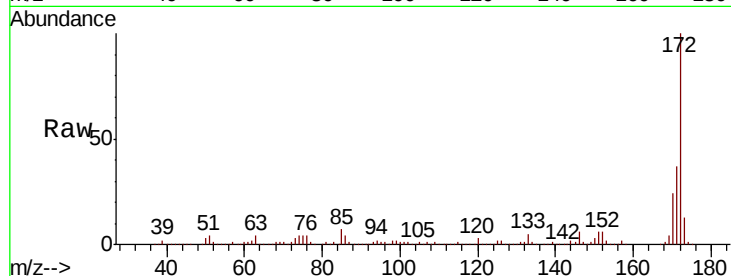




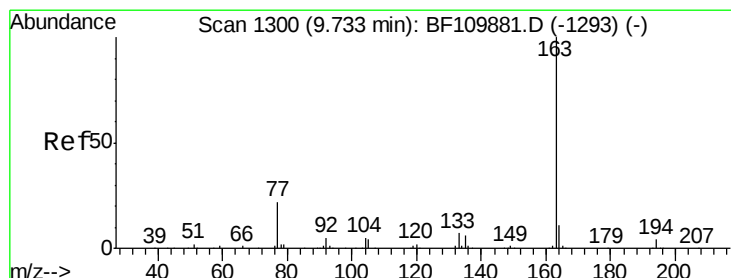
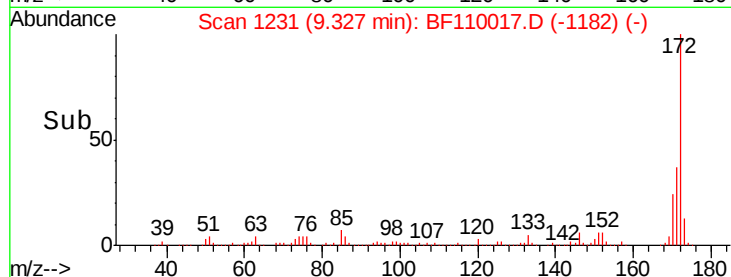
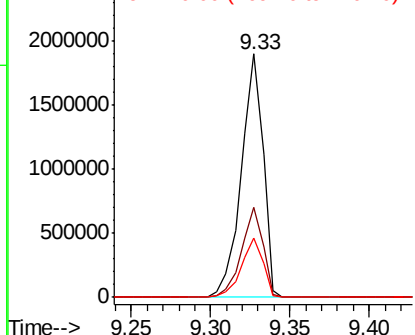
#45
2-Fluorobiphenyl
Concen: 70.923 ng
RT: 9.33 min Scan# 1231
Delta R.T. -0.01 min
Lab File: BF110017.D
Acq: 19 Oct 2018 21:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1802292
Ion Ratio Lower Upper
172 100
171 36.9 28.6 43.0
170 24.3 19.7 29.5

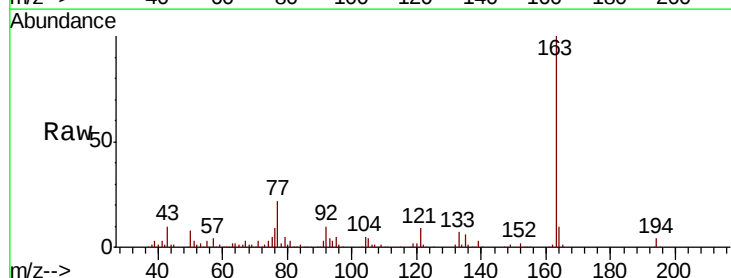


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

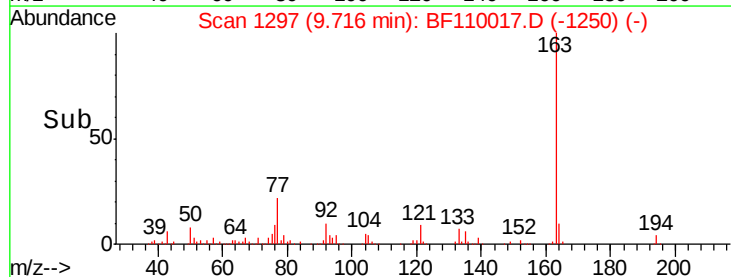
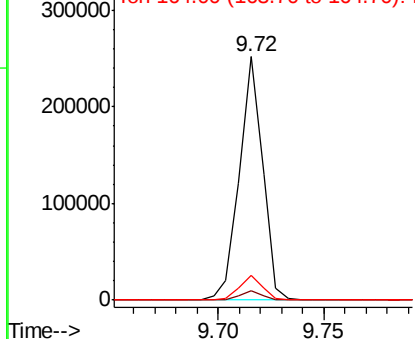


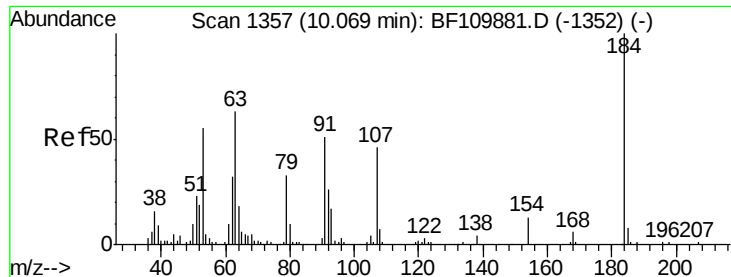
#50
Dimethylphthalate
Concen: 6.670 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.02 min
Lab File: BF110017.D
Acq: 19 Oct 2018 21:51

Tgt Ion:163 Resp: 191500
Ion Ratio Lower Upper
163 100
194 3.7 3.2 4.8
164 10.4 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

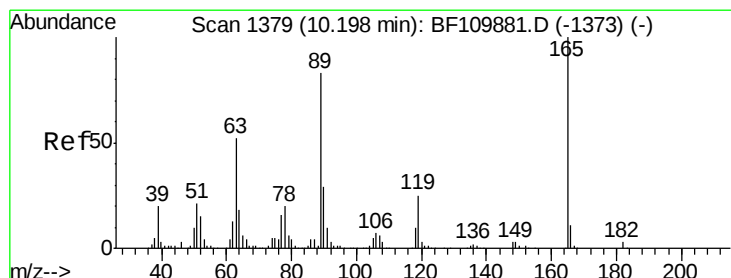
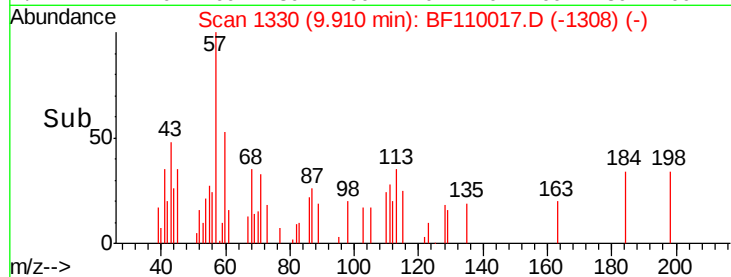
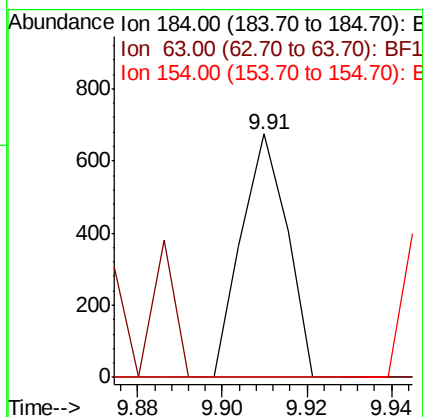
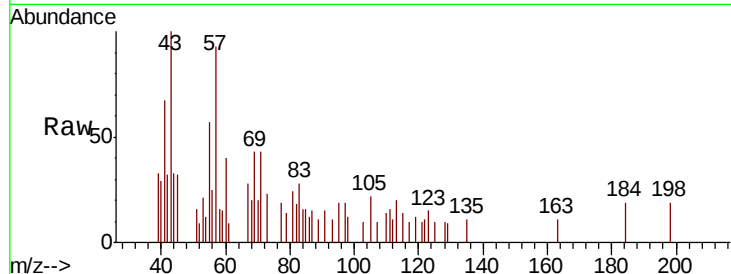




#54
2,4-Dinitrophenol
Concen: 9.170 ng
RT: 9.91 min Scan# 1330
Delta R.T. -0.17 min
Lab File: BF110017.D
Acq: 19 Oct 2018 21:51

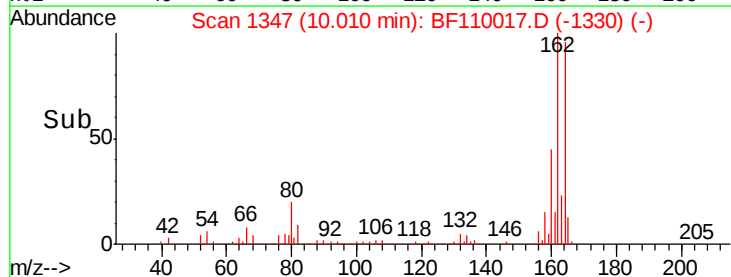
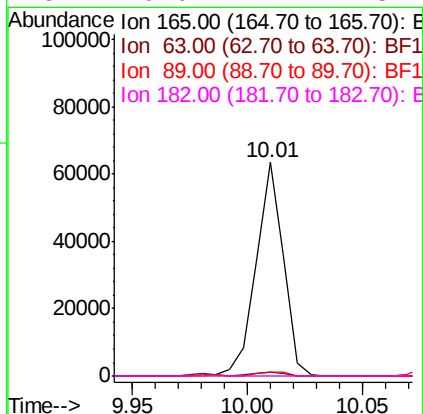
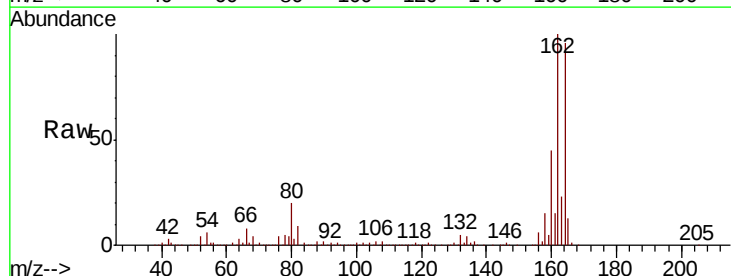
Instrument :
BNA_F
ClientSampled :

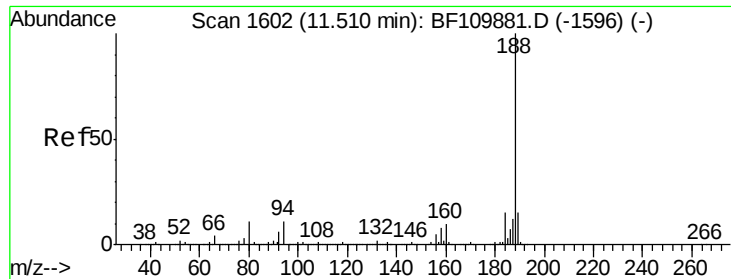
Tot Ion:184 Resp: 510
Ion Ratio Lower Upper
184 100
63 0.0 55.8 83.6#
154 0.0 63.2 94.8#



#57
2,4-Dinitrotoluene
Concen: 11.476 ng
RT: 10.01 min Scan# 1347
Delta R.T. -0.20 min
Lab File: BF110017.D
Acq: 19 Oct 2018 21:51

Tgt Ion:165 Resp: 52498
Ion Ratio Lower Upper
165 100
63 1.6 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: 11.50 min Scan# 1601

Delta R.T. -0.01 min

Lab File: BF110017.D

Acq: 19 Oct 2018 21:51

Instrument :

BNA_F

ClientSampleId :

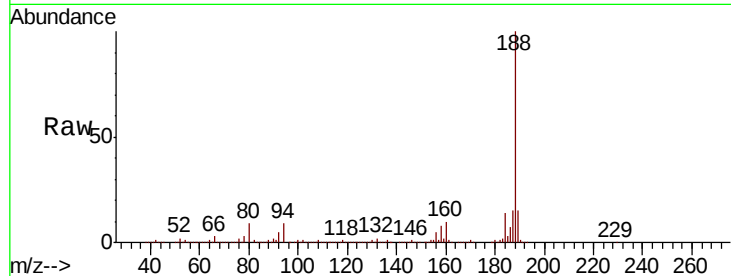
Tot Ion:188 Resp: 737626

Ion Ratio Lower Upper

188 100

94 8.7 7.2 10.8

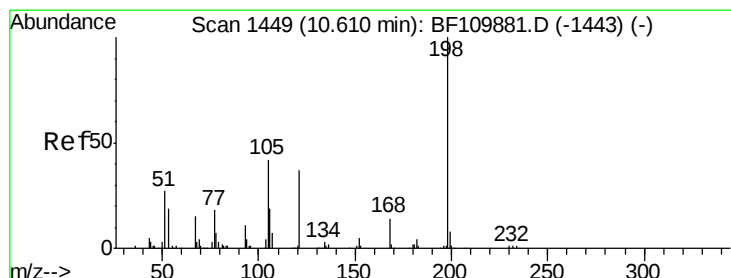
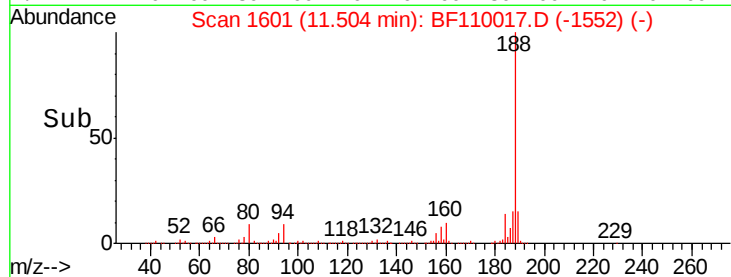
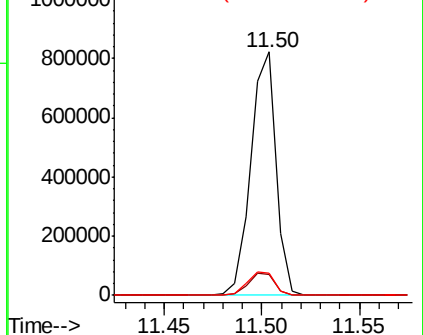
80 9.2 7.9 11.9



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: 8.802 ng

RT: 10.79 min Scan# 1480

Delta R.T. 0.17 min

Lab File: BF110017.D

Acq: 19 Oct 2018 21:51

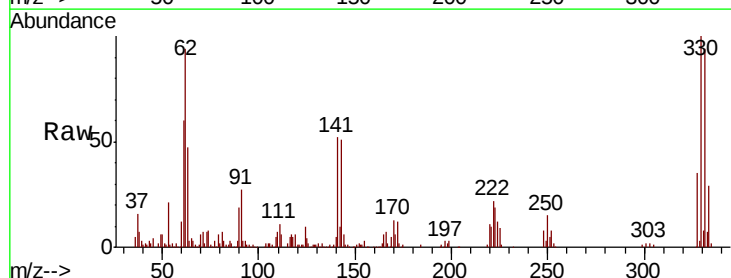
Tgt Ion:198 Resp: 2871

Ion Ratio Lower Upper

198 100

51 89.1 22.8 62.8#

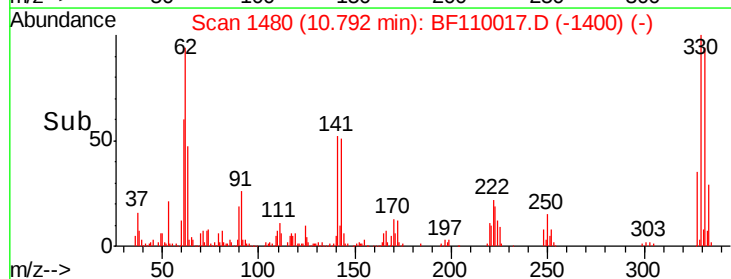
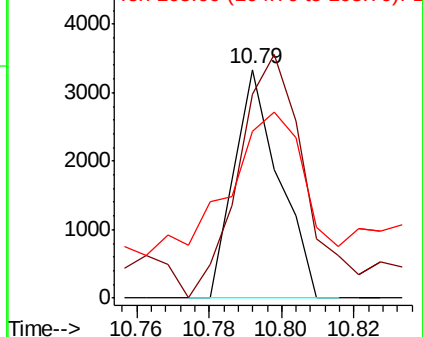
105 72.9 23.6 63.6#

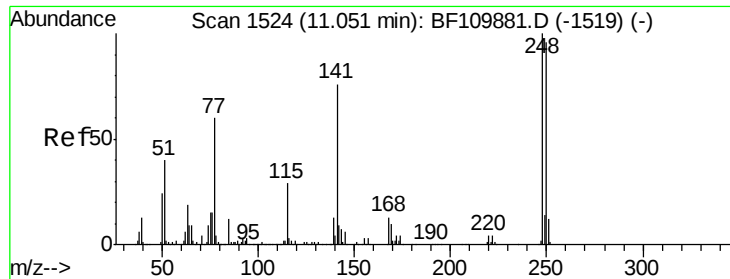


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

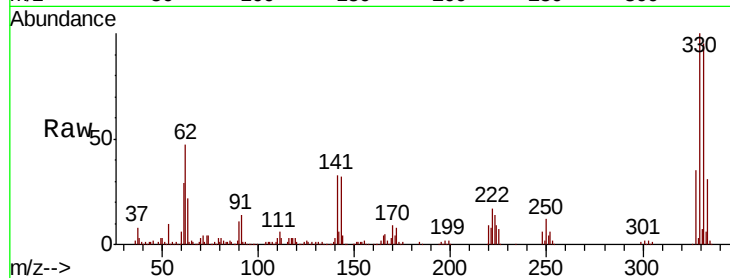




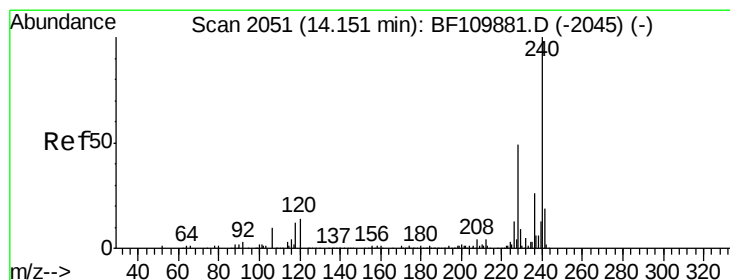
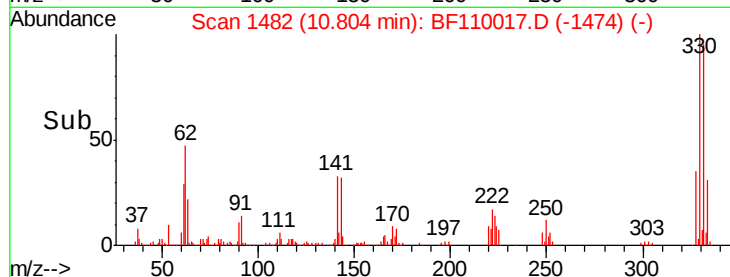
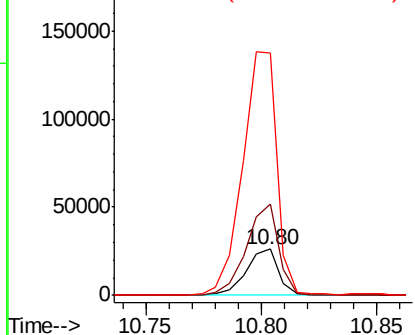
#67
 4-Bromophenyl-phenylether
 Concen: 3.215 ng
 RT: 10.80 min Scan# 1482
 Delta R.T. -0.25 min
 Lab File: BF110017.D
 Acq: 19 Oct 2018 21:51

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 25701
 Ion Ratio Lower Upper
 248 100
 250 197.9 79.4 119.2#
 141 524.0 55.9 83.9#

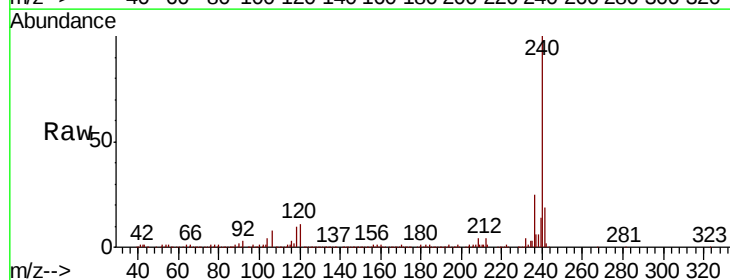


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

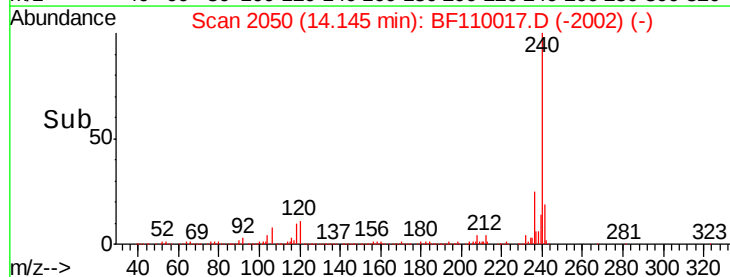
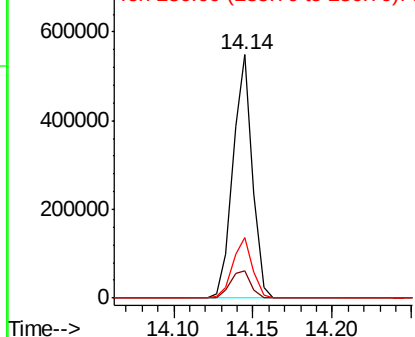


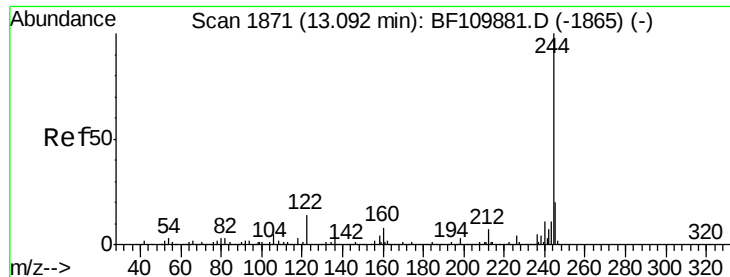
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.14 min Scan# 2050
 Delta R.T. -0.02 min
 Lab File: BF110017.D
 Acq: 19 Oct 2018 21:51

Tgt Ion:240 Resp: 462679
 Ion Ratio Lower Upper
 240 100
 120 11.2 8.3 12.5
 236 25.1 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: 73.681 ng

RT: 13.09 min Scan# 1870

Delta R.T. -0.02 min

Lab File: BF110017.D

Acq: 19 Oct 2018 21:51

Instrument :

BNA_F

ClientSampleId :

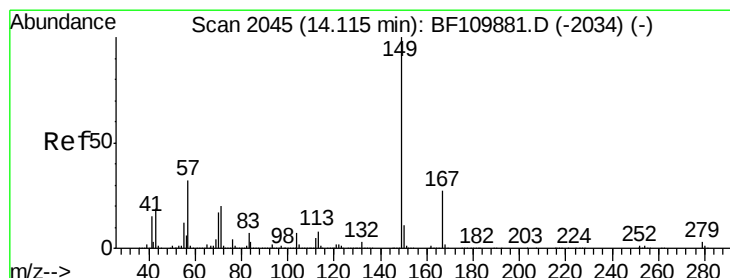
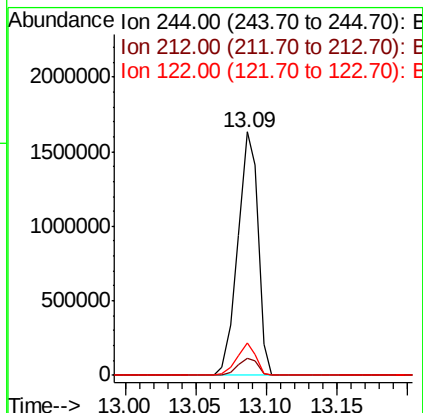
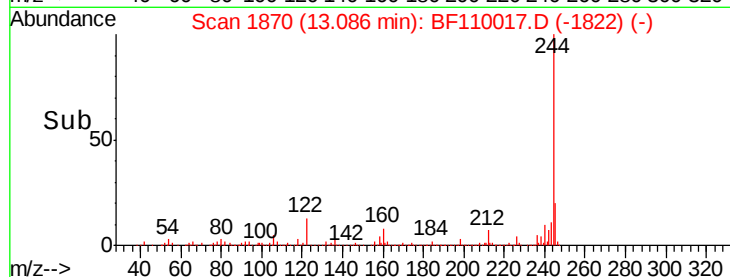
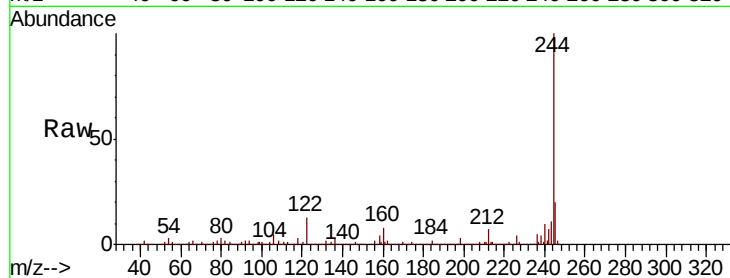
Tot Ion:244 Resp: 1623425

Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.8

122 13.5 8.7 13.1#



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.727 ng

RT: 14.11 min Scan# 2044

Delta R.T. -0.02 min

Lab File: BF110017.D

Acq: 19 Oct 2018 21:51

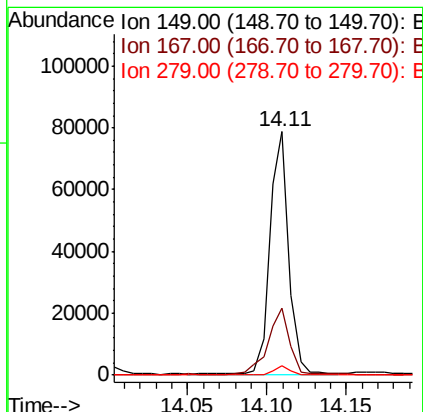
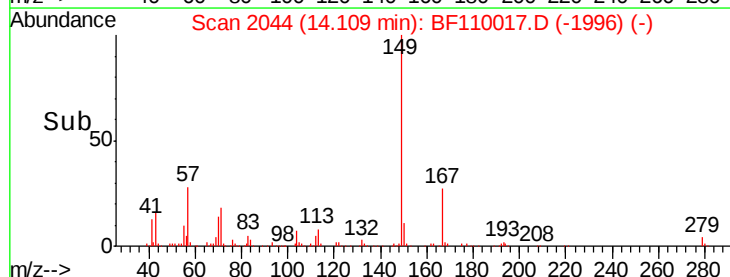
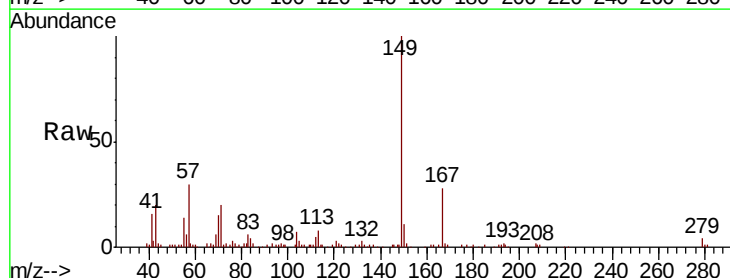
Tgt Ion:149 Resp: 67371

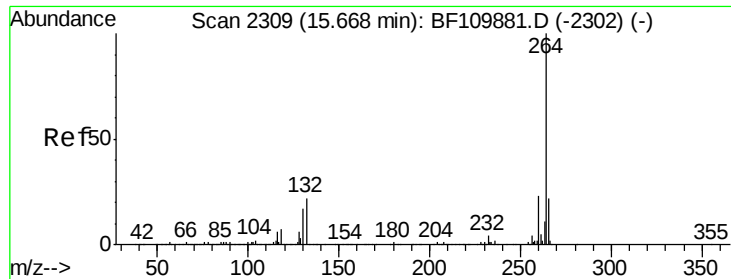
Ion Ratio Lower Upper

149 100

167 27.5 19.8 29.8

279 3.8 2.7 4.1

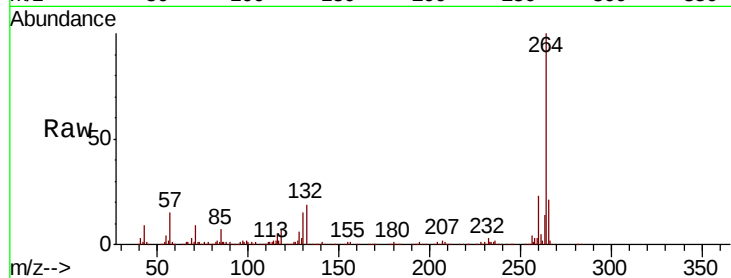




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.67 min Scan# 2309
Delta R.T. -0.02 min
Lab File: BF110017.D
Acq: 19 Oct 2018 21:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	264	Resp:	375464
Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.7	28.1
265	21.1	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

