

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032718\
 Data File : BF103978.D
 Acq On : 27 Mar 2018 19:03
 Operator : JU/SJ
 Sample : J2064-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 28 03:54:46 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 23 13:26:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	137692	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	528057	20.00	ng	0.00
38) Acenaphthene-d10	10.02	164	207891	20.00	ng	0.00
63) Phenanthrene-d10	11.53	188	185294	20.00	ng	0.02
75) Chrysene-d12	14.16	240	249569	20.00	ng	0.00
86) Perylene-d12	15.70	264	230284	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	1061758	117.29	ng	0.02
7) Phenol-d6	6.61	99	1270553	114.72	ng	0.01
23) Nitrobenzene-d5	7.54	82	732635	96.75	ng	0.00
41) 2,4,6-Tribromophenol	10.82	330	207414	116.04	ng	0.01
44) 2-Fluorobiphenyl	9.33	172	1144332	87.80	ng	0.00
78) Terphenyl-d14	13.11	244	693055	64.46	ng	0.01

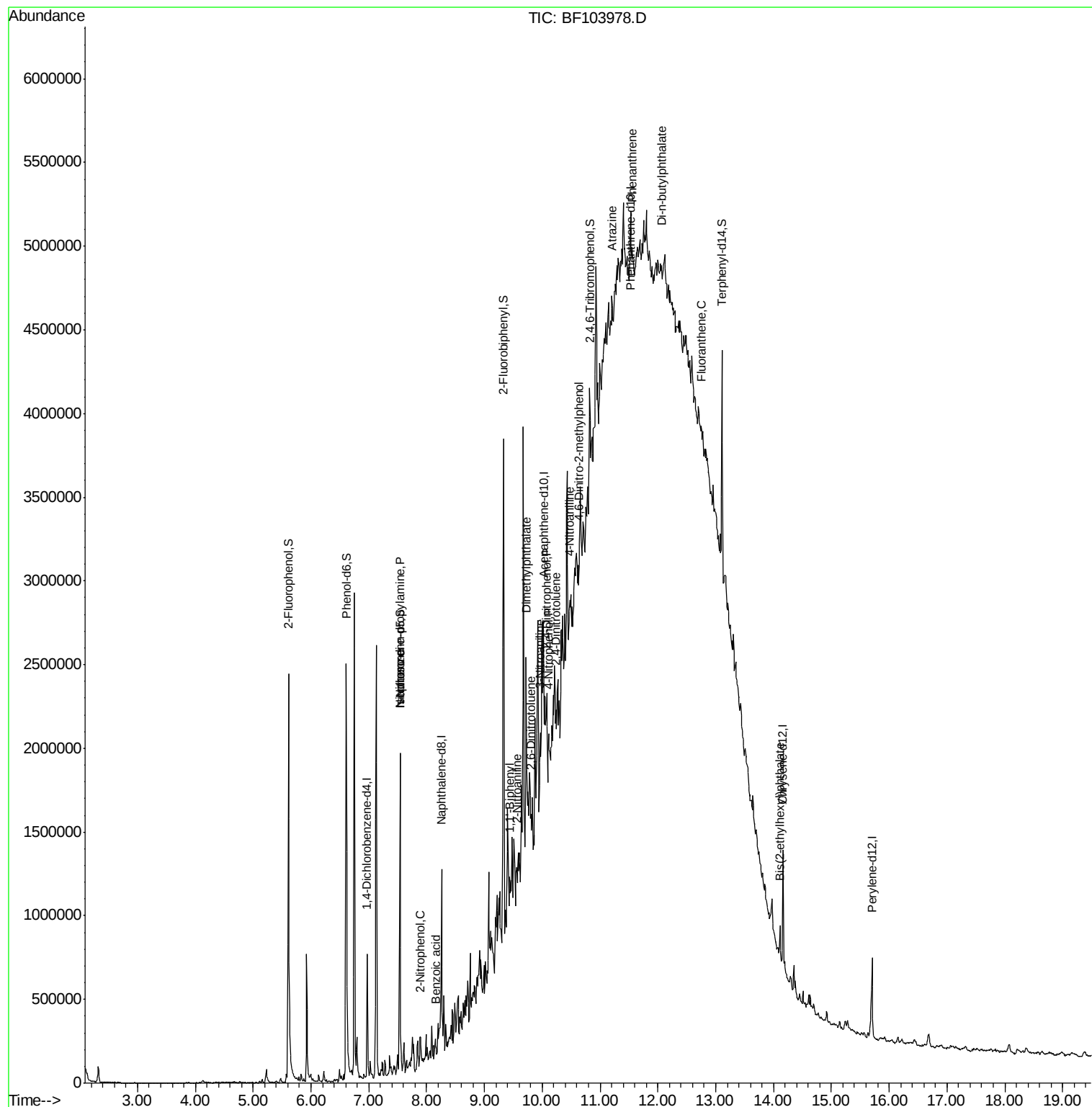
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.54	70	94316	13.288	ng	# 72
25) Isophorone	7.54	82	730485	41.672	ng	# 65
26) 2-Nitrophenol	7.88	139	783	9.632	ng	# 1
32) Benzoic acid	8.17	122	1707	10.161	ng	92
45) 1,1'-Biphenyl	9.43	154	39724	2.292	ng	95
47) 2-Nitroaniline	9.55	65	2883	7.501	ng	# 42
49) Dimethylphthalate	9.72	163	96652	6.094	ng	# 83
50) 2,6-Dinitrotoluene	9.81	165	6700	5.986	ng	# 36
52) 3-Nitroaniline	9.96	138	11608	6.720	ng	# 30
53) 2,4-Dinitrophenol	10.07	184	361	7.200	ng	# 1
55) 4-Nitrophenol	10.12	139	1087	5.321	ng	# 1
56) 2,4-Dinitrotoluene	10.24	165	8820	8.189	ng	# 45
61) 4-Nitroaniline	10.47	138	16094	7.942	ng	94
64) 4,6-Dinitro-2-methylphenol	10.63	198	1389	10.337	ng	# 1
68) Atrazine	11.21	200	7002	3.589	ng	# 1
70) Phenanthrene	11.55	178	38445	3.793	ng	# 41
73) Di-n-butylphthalate	12.07	149	37786	3.147	ng	# 41
74) Fluoranthene	12.75	202	36177	3.464	ng	79
83) Bis(2-ethylhexyl)phthalate	14.12	149	64341	5.546	ng	# 94

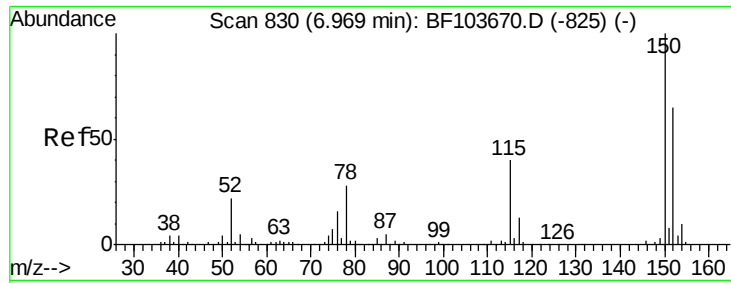
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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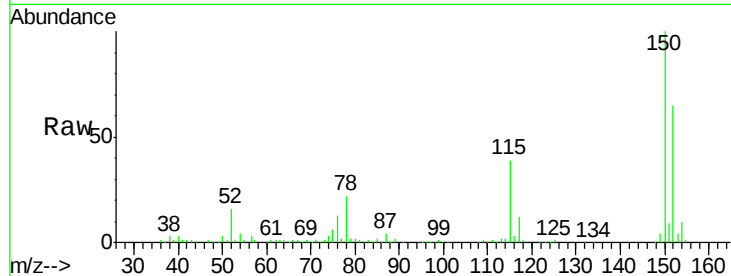


#1

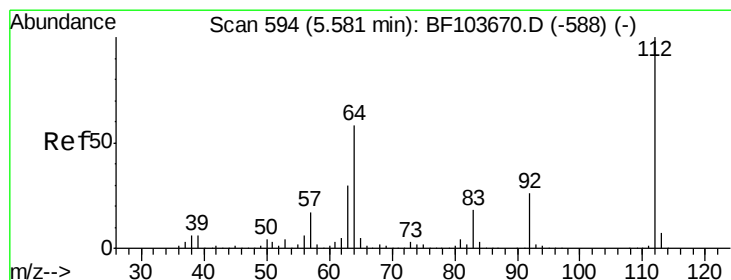
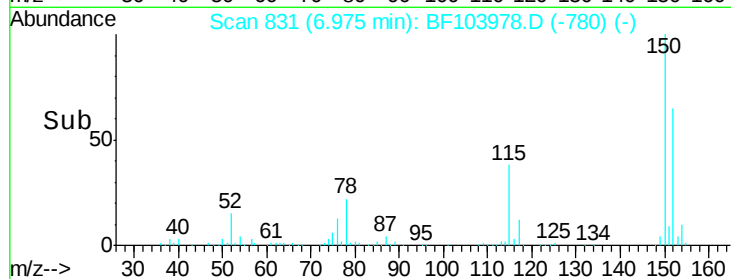
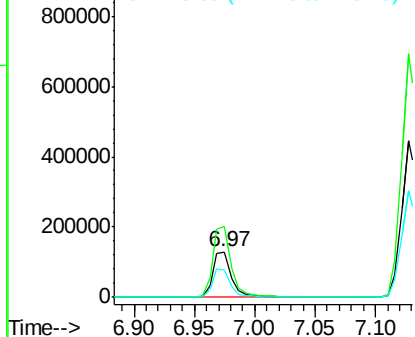
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 831
Delta R.T. -0.00 min
Lab File: BF103978.D
Acq: 27 Mar 2018 19:03

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 137692
Ion Ratio Lower Upper
152 100
150 154.7 124.6 186.8
115 59.7 50.1 75.1



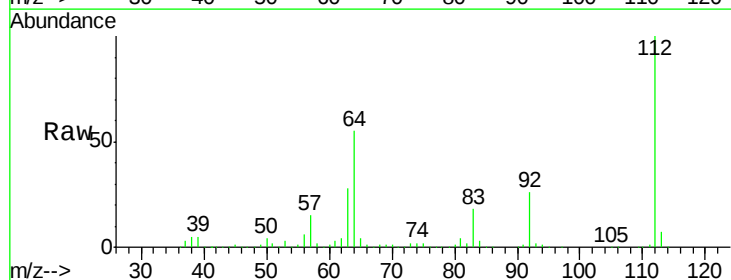
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



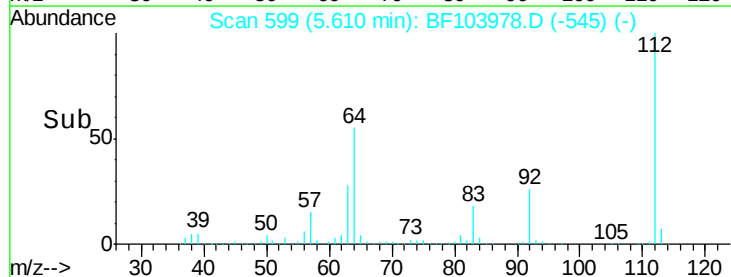
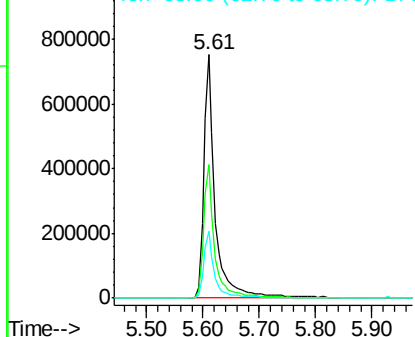
#5

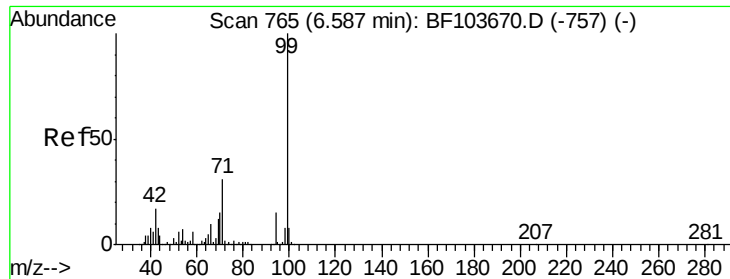
2-Fluorophenol
Concen: 117.286 ng
RT: 5.61 min Scan# 599
Delta R.T. 0.02 min
Lab File: BF103978.D
Acq: 27 Mar 2018 19:03

Tgt Ion:112 Resp: 1061758
Ion Ratio Lower Upper
112 100
64 54.7 47.9 71.9
63 27.7 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: 114.718 ng

RT: 6.61 min Scan# 769

Delta R.T. 0.01 min

Lab File: BF103978.D

Acq: 27 Mar 2018 19:03

Instrument :

BNA_F

ClientSampleId :

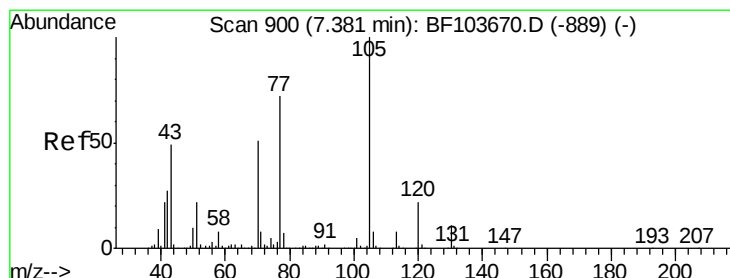
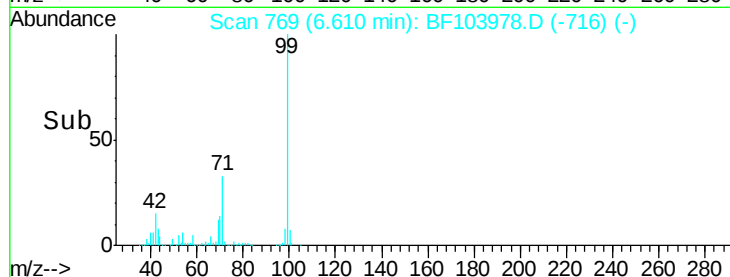
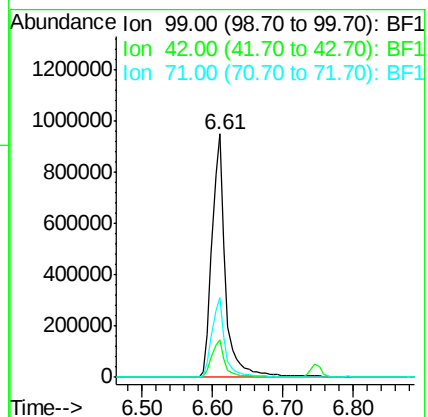
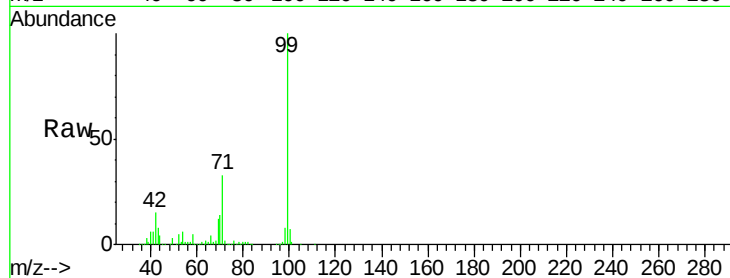
Tot Ion: 99 Resp: 1270553

Ion Ratio Lower Upper

99 100

42 15.2 14.5 21.7

71 32.6 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 13.288 ng

RT: 7.54 min Scan# 927

Delta R.T. 0.15 min

Lab File: BF103978.D

Acq: 27 Mar 2018 19:03

Tgt Ion: 70 Resp: 94316

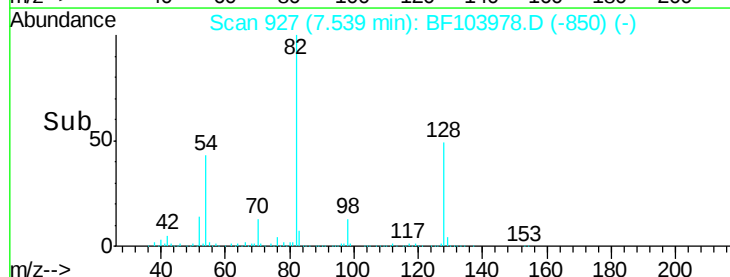
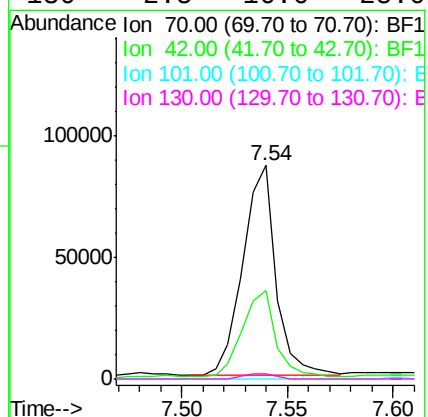
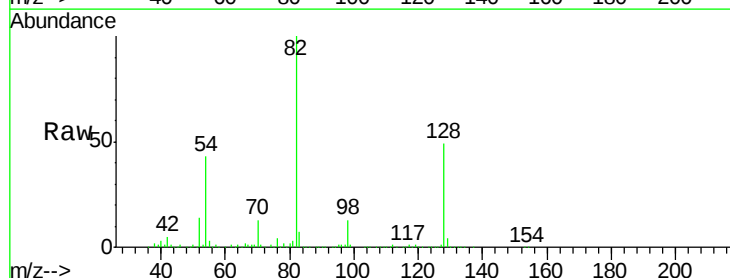
Ion Ratio Lower Upper

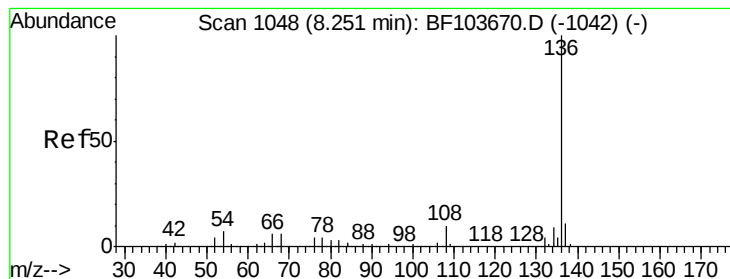
70 100

42 41.1 47.5 71.3#

101 0.0 7.4 11.2#

130 2.5 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.26 min Scan# 1049

Delta R.T. -0.00 min

Lab File: BF103978.D

Acq: 27 Mar 2018 19:03

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 528057

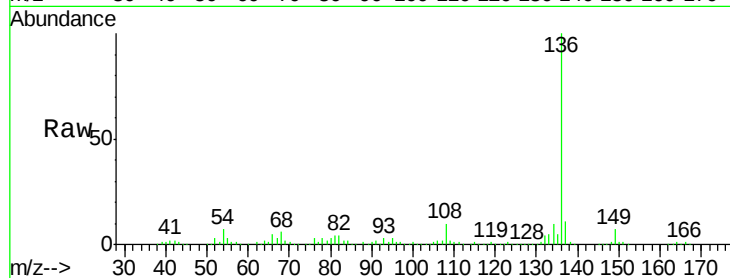
Ion Ratio Lower Upper

136 100

137 11.3 8.9 13.3

54 6.6 6.6 9.8

68 6.1 5.0 7.4

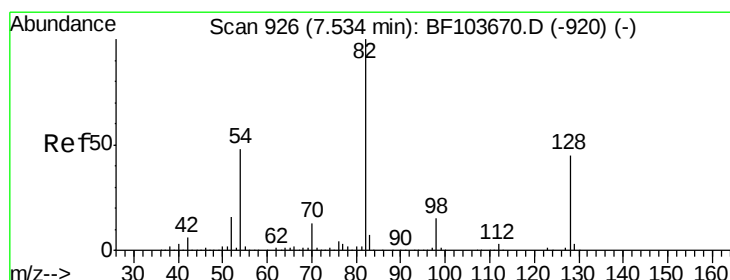
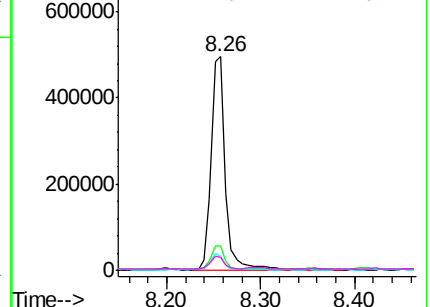
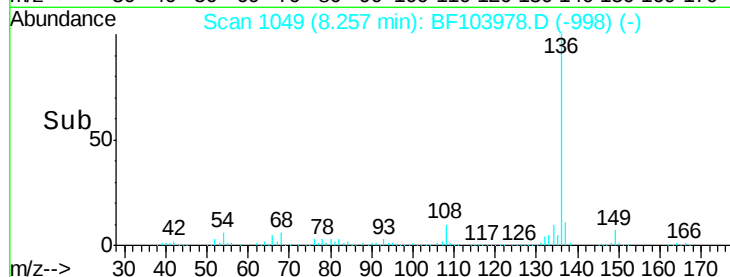


Abundance Ion 136.00 (135.70 to 136.70): E

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: 96.753 ng

RT: 7.54 min Scan# 927

Delta R.T. -0.00 min

Lab File: BF103978.D

Acq: 27 Mar 2018 19:03

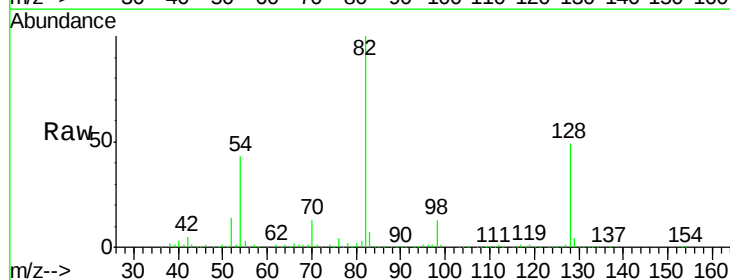
Tgt Ion: 82 Resp: 732635

Ion Ratio Lower Upper

82 100

128 48.6 36.1 54.1

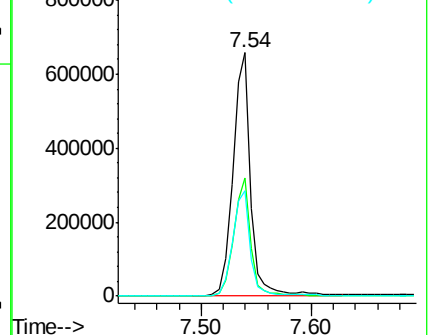
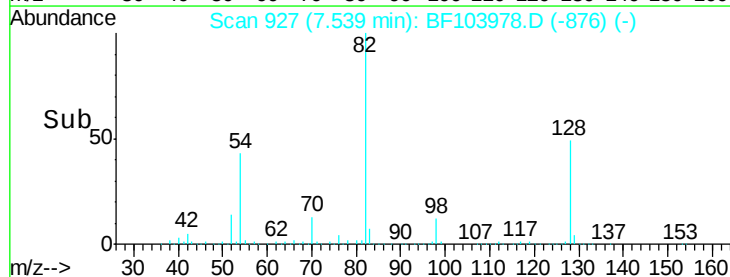
54 43.4 41.4 62.2

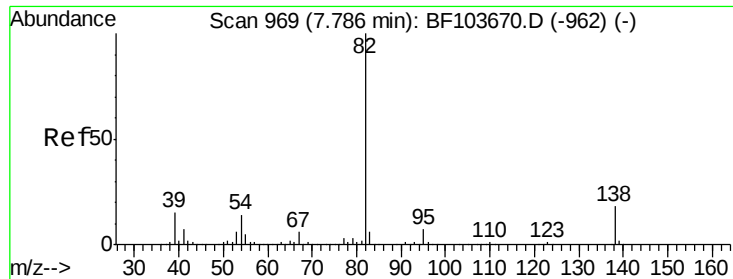


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 41.672 ng

RT: 7.54 min Scan# 927

Delta R.T. -0.25 min

Lab File: BF103978.D

Acq: 27 Mar 2018 19:03

Instrument :

BNA_F

ClientSampleId :

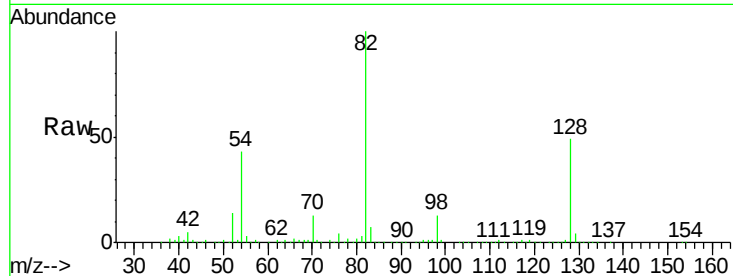
Tot Ion: 82 Resp: 730485

Ion Ratio Lower Upper

82 100

95 0.5 5.2 7.8#

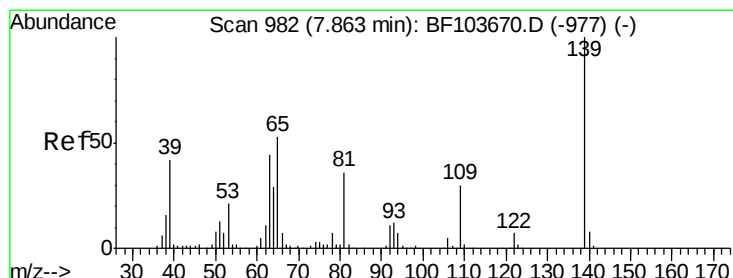
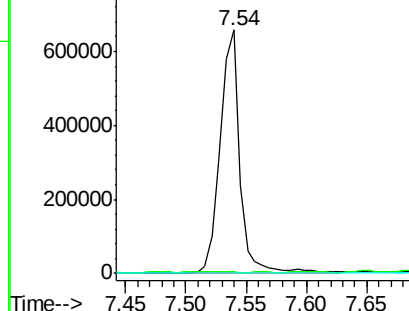
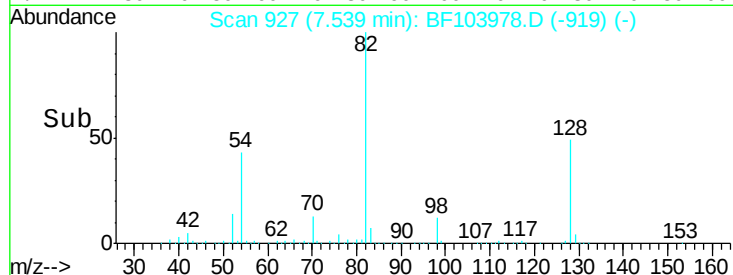
138 0.0 14.9 22.3#



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



#26

2-Nitrophenol

Concen: 9.632 ng

RT: 7.88 min Scan# 985

Delta R.T. 0.01 min

Lab File: BF103978.D

Acq: 27 Mar 2018 19:03

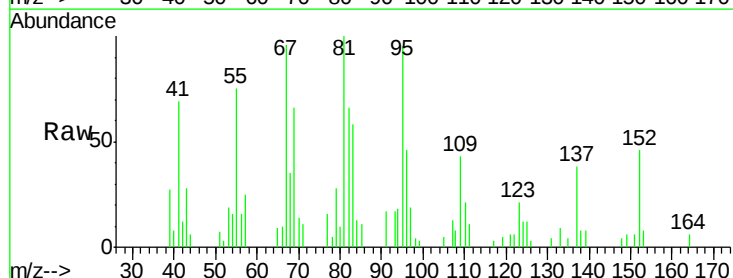
Tgt Ion: 139 Resp: 783

Ion Ratio Lower Upper

139 100

109 510.5 22.7 34.1#

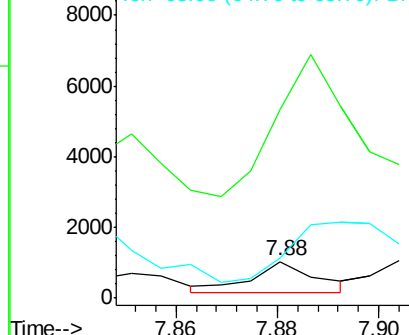
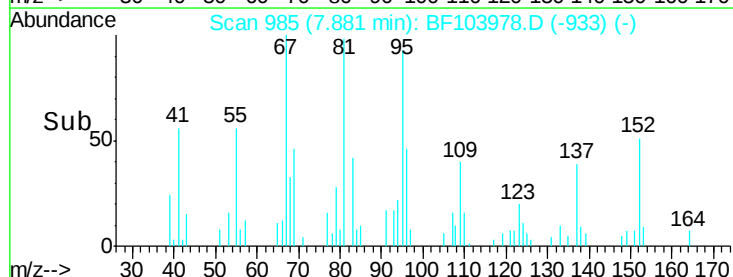
65 108.0 40.5 60.7#

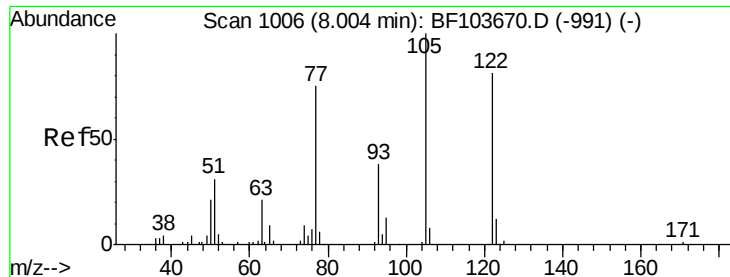


Abundance Ion 139.00 (138.70 to 139.70): BF1

Ion 109.00 (108.70 to 109.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

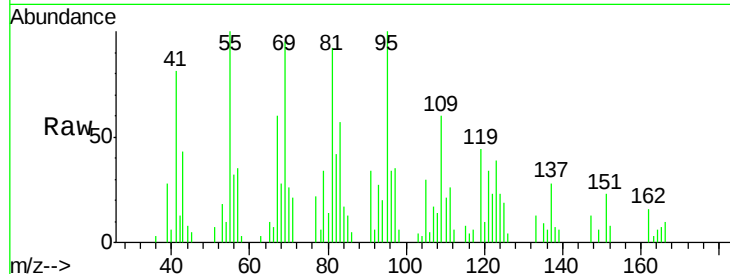




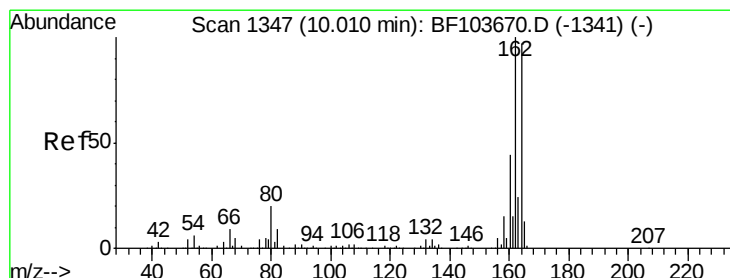
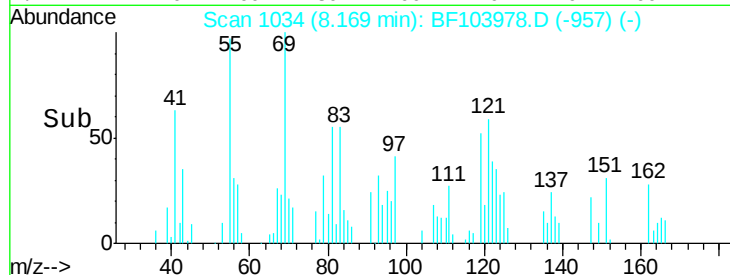
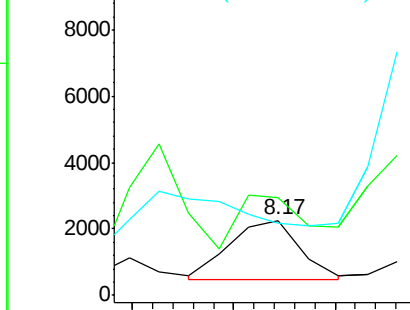
#32
Benzoic acid
Concen: 10.161 ng
RT: 8.17 min Scan# 1034
Delta R.T. 0.15 min
Lab File: BF103978.D
Acq: 27 Mar 2018 19:03

Instrument :
BNA_F
ClientSampleId :

Tot Ion:122 Resp: 1707
Ion Ratio Lower Upper
122 100
105 131.1 101.1 141.1
77 96.7 70.7 110.7

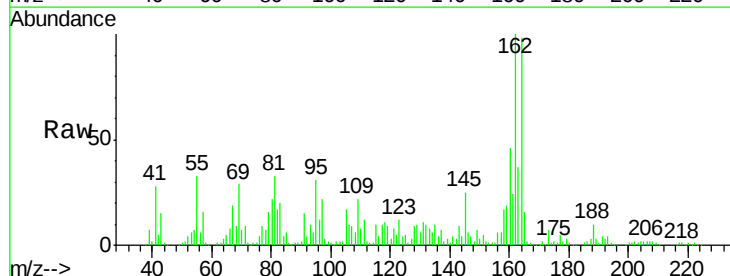


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF1

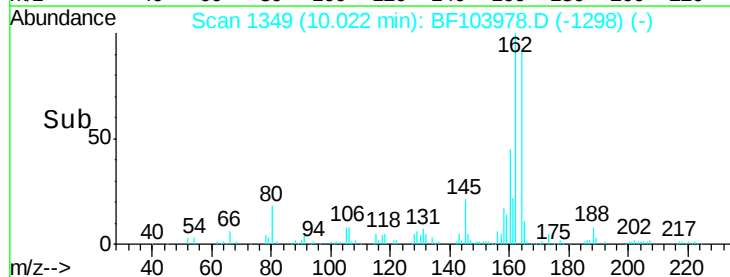
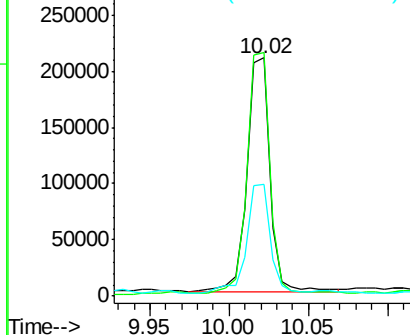


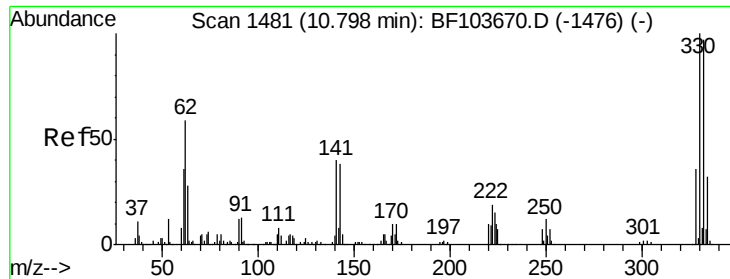
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.02 min Scan# 1349
Delta R.T. -0.00 min
Lab File: BF103978.D
Acq: 27 Mar 2018 19:03

Tgt Ion:164 Resp: 207891
Ion Ratio Lower Upper
164 100
162 102.1 86.1 129.1
160 46.6 38.3 57.5



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

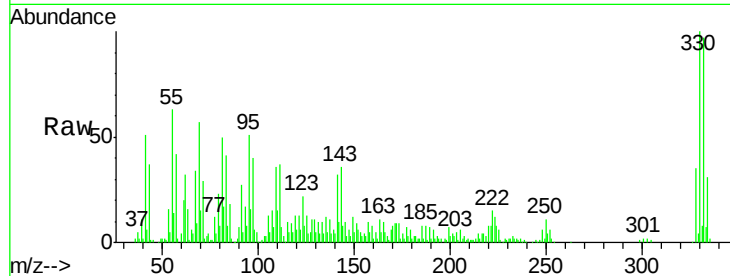




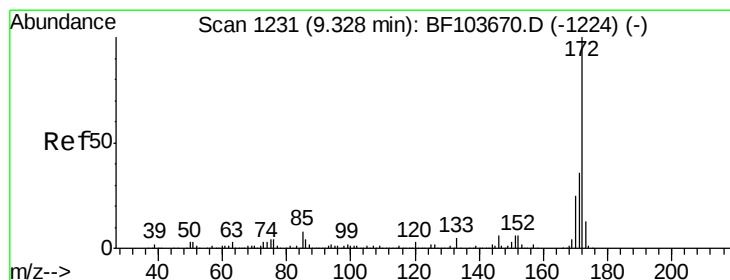
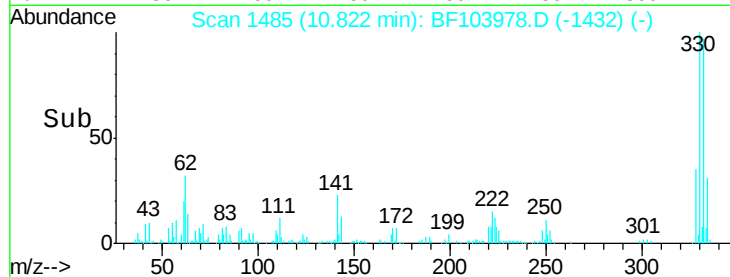
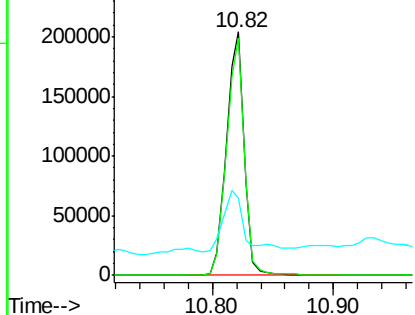
#41
 2,4,6-Tribromophenol
 Concen: 116.038 ng
 RT: 10.82 min Scan# 1485
 Delta R.T. 0.01 min
 Lab File: BF103978.D
 Acq: 27 Mar 2018 19:03

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 207414
 Ion Ratio Lower Upper
 330 100
 332 97.1 77.0 115.6
 141 30.1 29.9 44.9

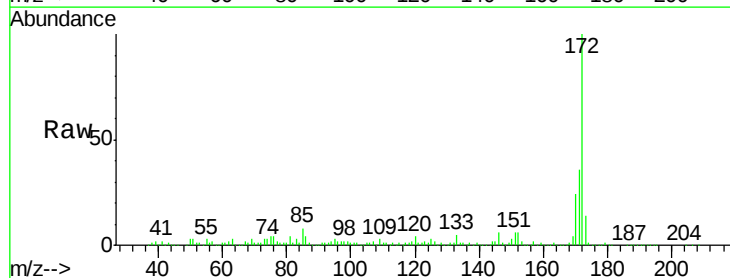


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

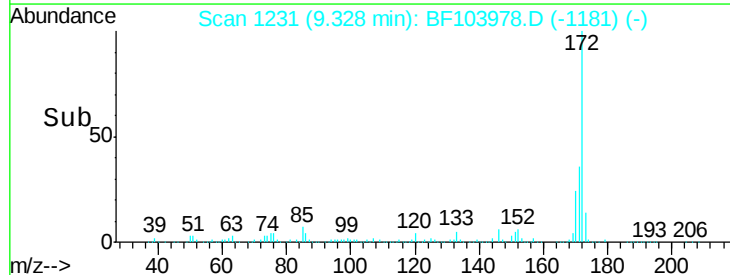
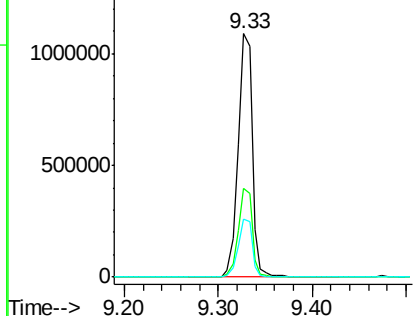


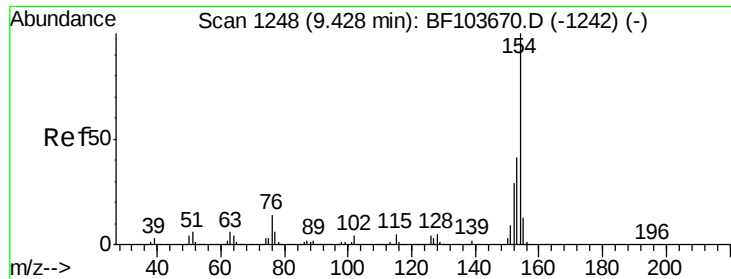
#44
 2-Fluorobiphenyl
 Concen: 87.805 ng
 RT: 9.33 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: BF103978.D
 Acq: 27 Mar 2018 19:03

Tgt Ion:172 Resp: 1144332
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.7 44.5
 170 23.7 19.6 29.4



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





#45

1,1'-Biphenyl

Concen: 2.292 ng

RT: 9.43 min Scan# 1249

Delta R.T. -0.00 min

Lab File: BF103978.D

Acq: 27 Mar 2018 19:03

Instrument :

BNA_F

ClientSampleId :

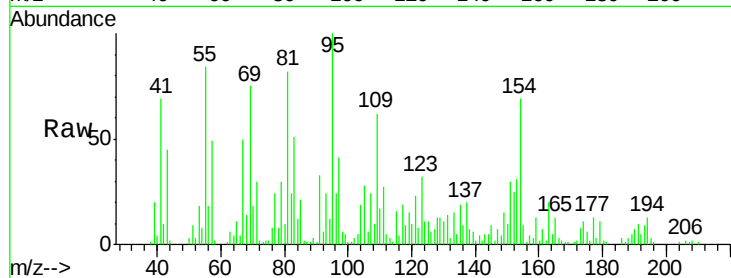
Tot Ion:154 Resp: 39724

Ion Ratio Lower Upper

154 100

153 44.1 21.3 61.3

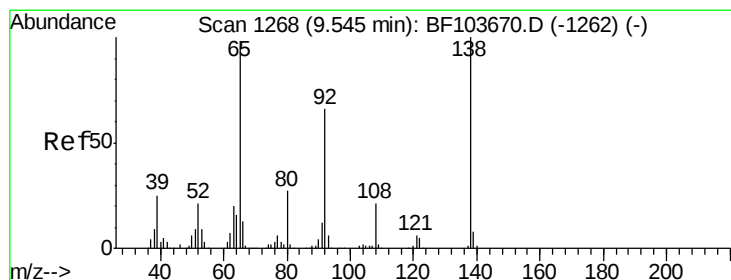
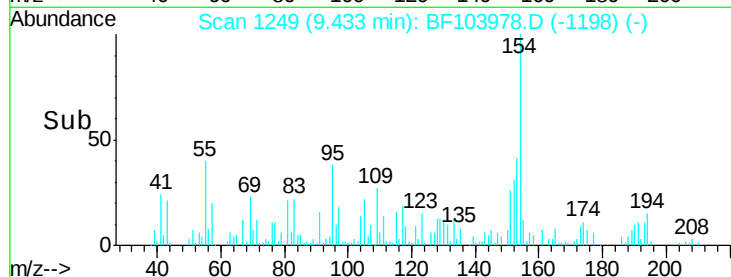
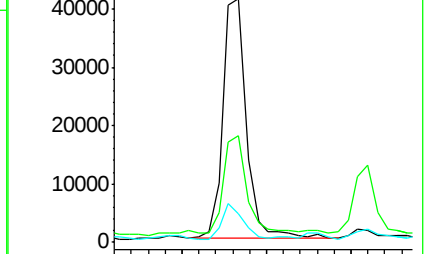
76 11.9 0.0 34.0



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1



#47

2-Nitroaniline

Concen: 7.501 ng

RT: 9.55 min Scan# 1269

Delta R.T. -0.01 min

Lab File: BF103978.D

Acq: 27 Mar 2018 19:03

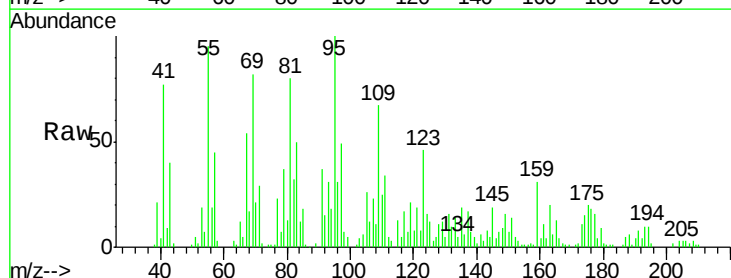
Tgt Ion: 65 Resp: 2883

Ion Ratio Lower Upper

65 100

92 122.0 55.8 83.6#

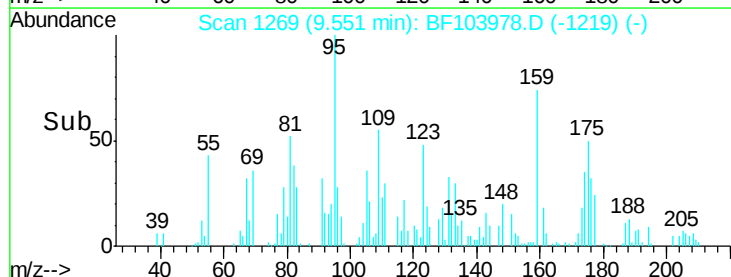
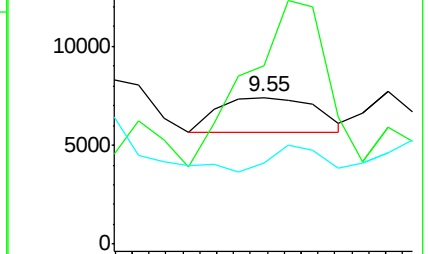
138 55.7 91.2 136.8#

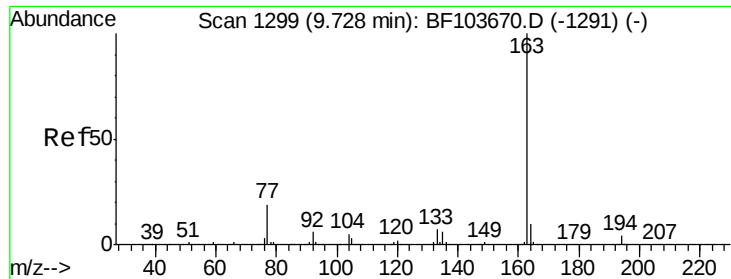


Abundance Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): E





#49

Dimethylphthalate

Concen: 6.094 ng

RT: 9.72 min Scan# 1298

Delta R.T. -0.01 min

Lab File: BF103978.D

Acq: 27 Mar 2018 19:03

Instrument :

BNA_F

ClientSampled :

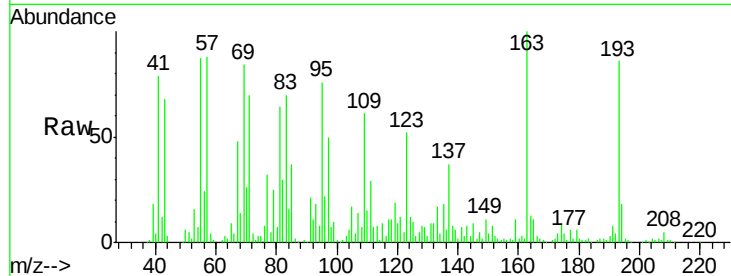
Tot Ion:163 Resp: 96652

Ion Ratio Lower Upper

163 100

194 18.0 2.7 4.1#

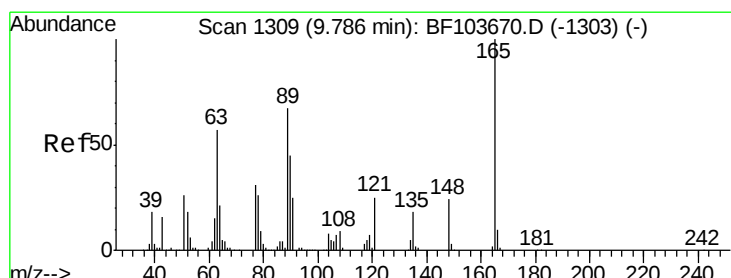
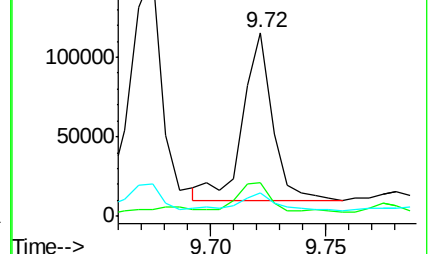
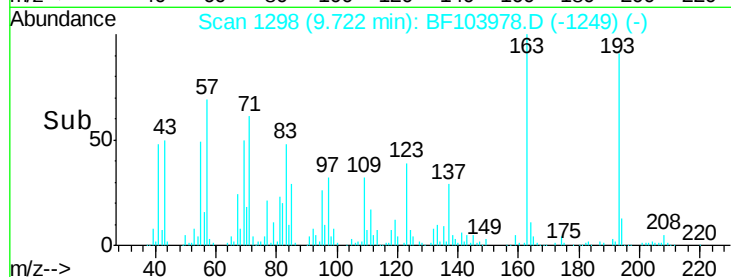
164 13.0 8.2 12.2#



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



#50

2,6-Dinitrotoluene

Concen: 5.986 ng

RT: 9.81 min Scan# 1313

Delta R.T. 0.01 min

Lab File: BF103978.D

Acq: 27 Mar 2018 19:03

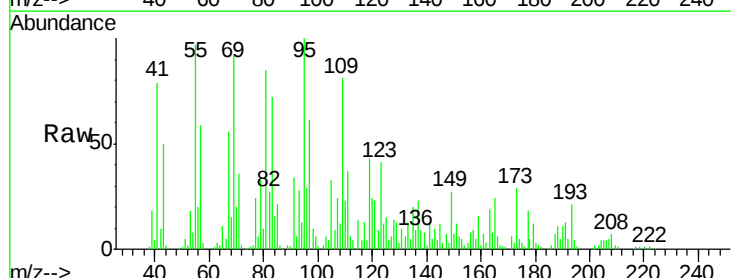
Tgt Ion:165 Resp: 6700

Ion Ratio Lower Upper

165 100

63 10.8 44.7 67.1#

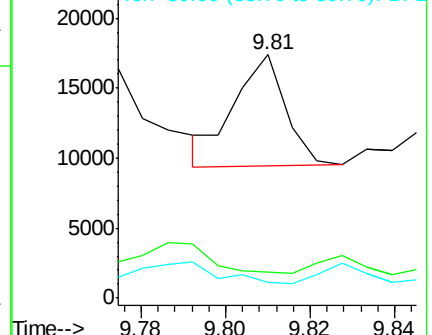
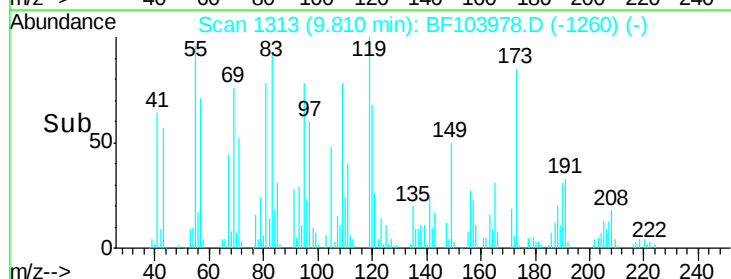
89 6.6 44.0 66.0#

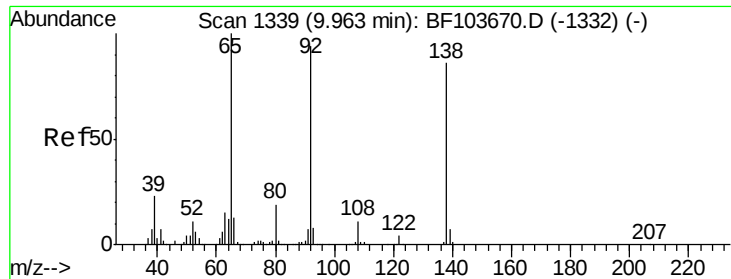


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#52

3-Nitroaniline

Concen: 6.720 ng

RT: 9.96 min Scan# 1339

Delta R.T. -0.01 min

Lab File: BF103978.D

Acq: 27 Mar 2018 19:03

Instrument :

BNA_F

ClientSampled :

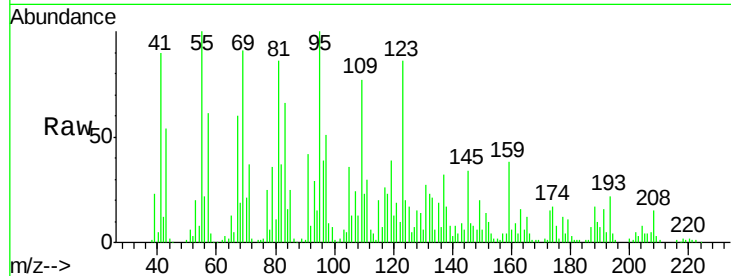
Tot Ion:138 Resp: 11608

Ion Ratio Lower Upper

138 100

108 77.2 9.4 14.0#

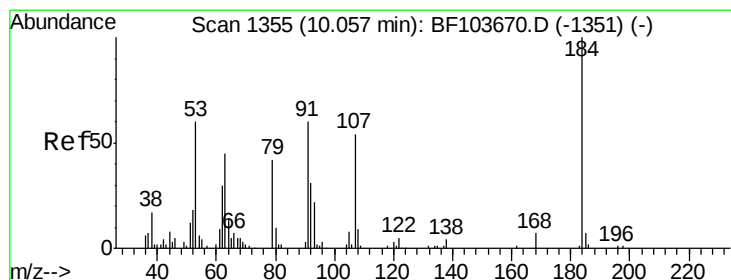
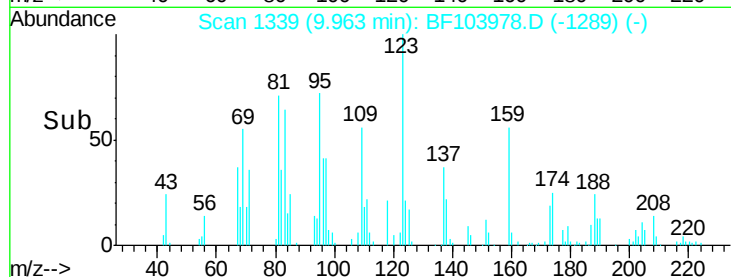
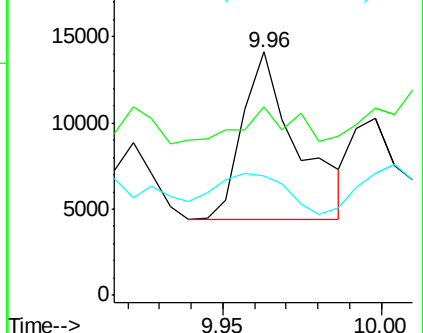
92 48.9 89.4 134.2#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1



#53

2,4-Dinitrophenol

Concen: 7.200 ng

RT: 10.07 min Scan# 1358

Delta R.T. -0.00 min

Lab File: BF103978.D

Acq: 27 Mar 2018 19:03

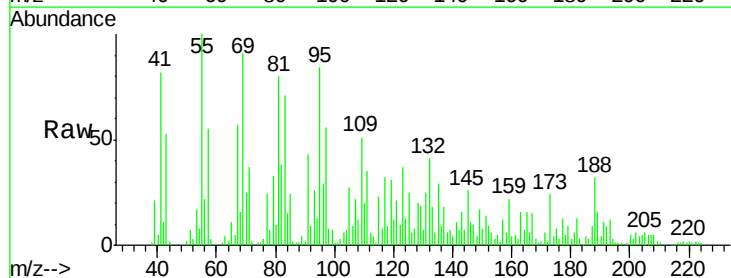
Tgt Ion:184 Resp: 361

Ion Ratio Lower Upper

184 100

63 1013.6 54.2 81.2#

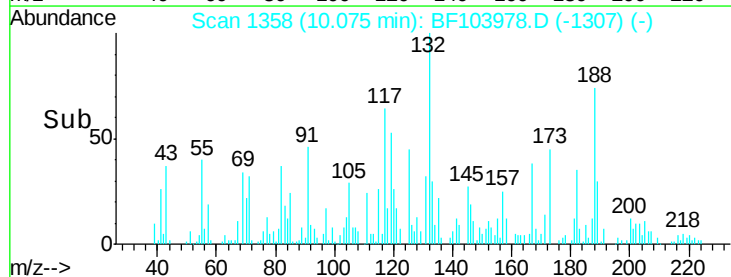
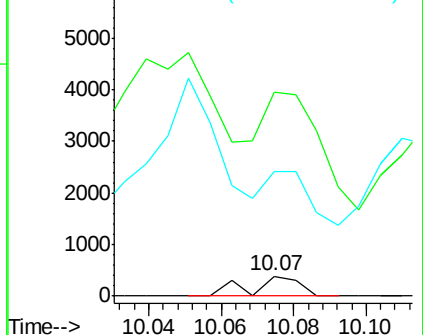
154 619.5 184.0 276.0#

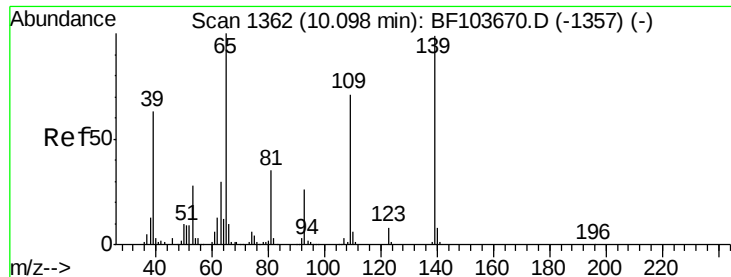


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E

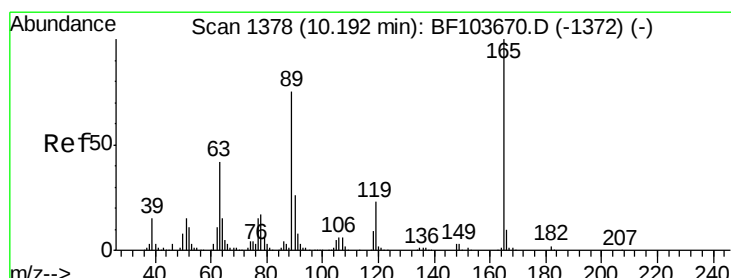
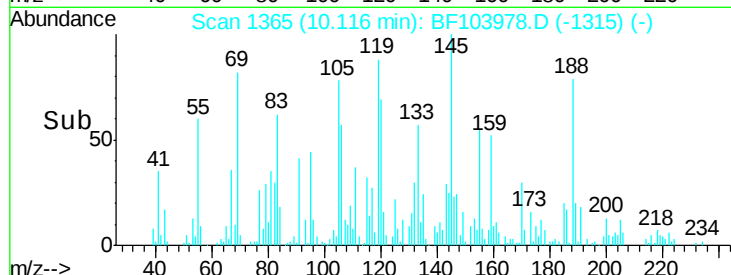
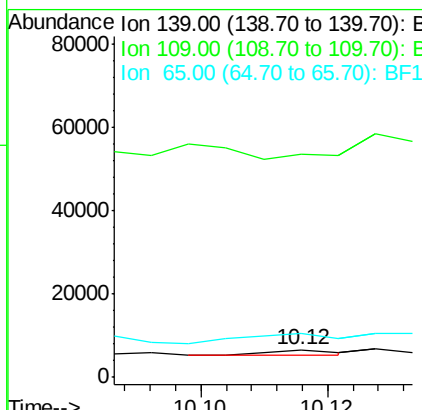
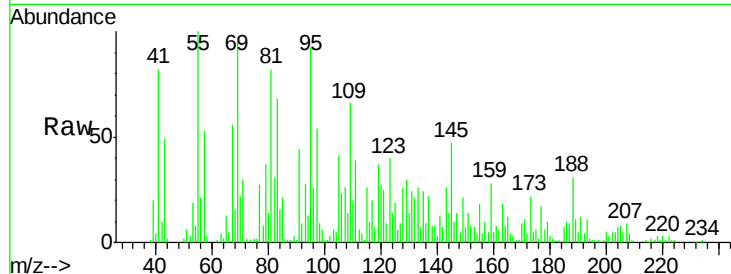




#55
4-Nitrophenol
Concen: 5.321 ng
RT: 10.12 min Scan# 1365
Delta R.T. -0.01 min
Lab File: BF103978.D
Acq: 27 Mar 2018 19:03

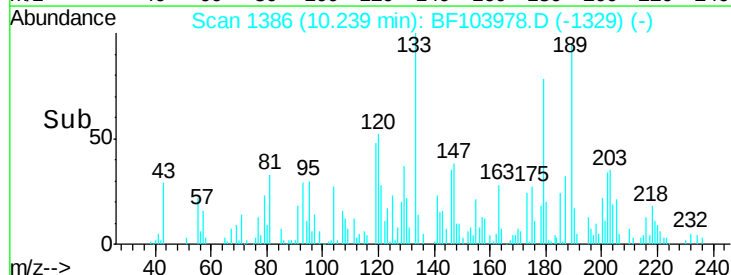
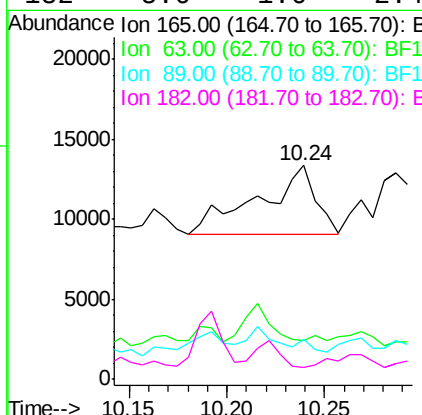
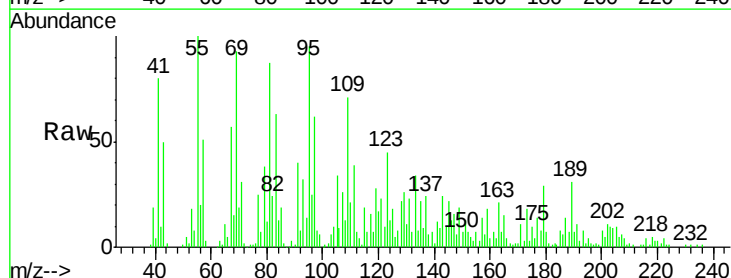
Instrument :
BNA_F
ClientSampleId :

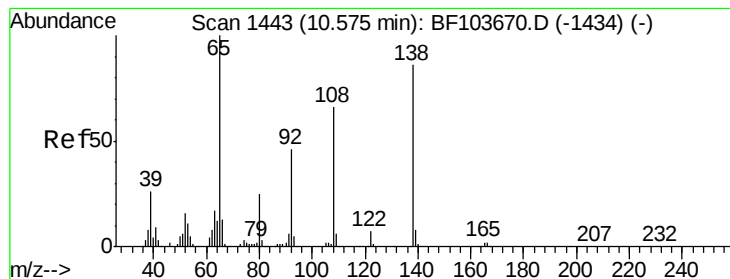
Tot Ion:139 Resp: 1087
Ion Ratio Lower Upper
139 100
109 805.8 48.4 88.4#
65 159.6 72.6 112.6#



#56
2,4-Dinitrotoluene
Concen: 8.189 ng
RT: 10.24 min Scan# 1386
Delta R.T. 0.04 min
Lab File: BF103978.D
Acq: 27 Mar 2018 19:03

Tgt Ion:165 Resp: 8820
Ion Ratio Lower Upper
165 100
63 18.0 36.4 54.6#
89 18.6 57.8 86.6#
182 5.6 1.6 2.4#





#61

4-Nitroaniline

Concen: 7.942 ng

RT: 10.47 min Scan# 1426

Delta R.T. -0.11 min

Lab File: BF103978.D

Acq: 27 Mar 2018 19:03

Instrument :

BNA_F

ClientSampled :

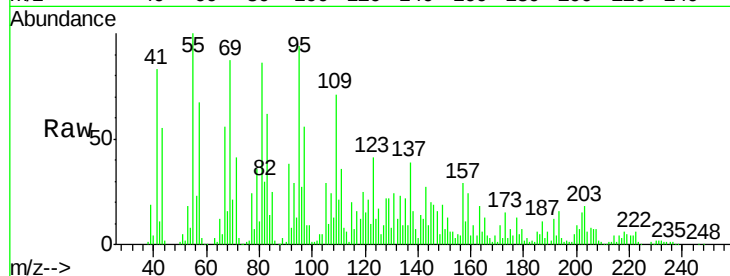
Tot Ion:138 Resp: 16094

Ion Ratio Lower Upper

138 100

92 48.7 30.2 70.2

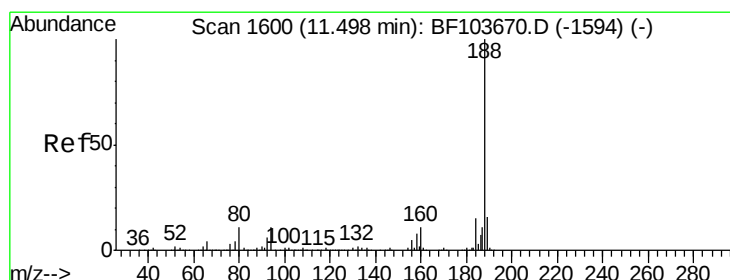
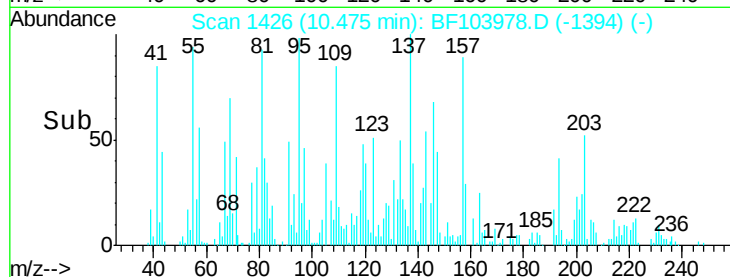
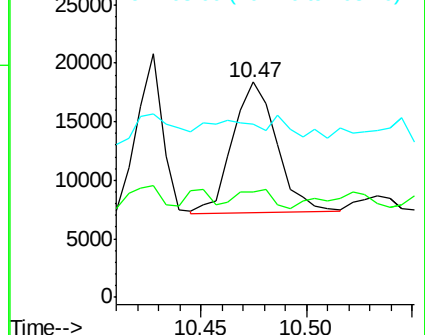
108 80.3 52.5 92.5



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF1

Ion 108.00 (107.70 to 108.70): E



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.53 min Scan# 1605

Delta R.T. 0.02 min

Lab File: BF103978.D

Acq: 27 Mar 2018 19:03

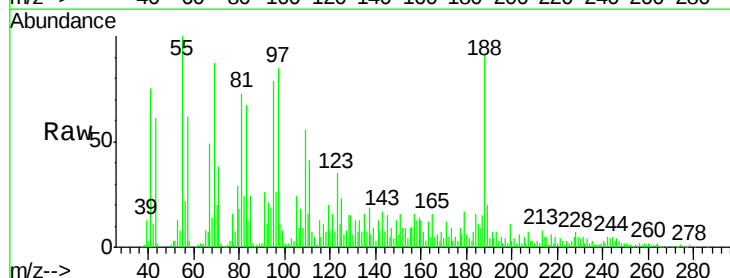
Tgt Ion:188 Resp: 185294

Ion Ratio Lower Upper

188 100

94 20.5 8.5 12.7#

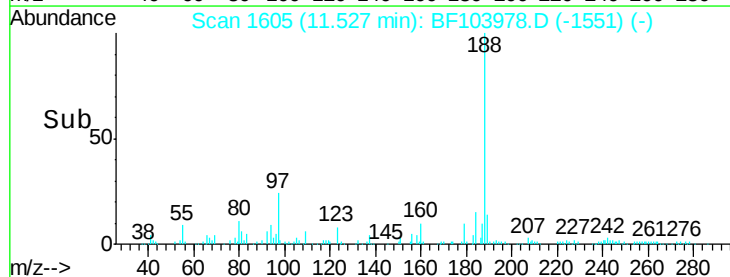
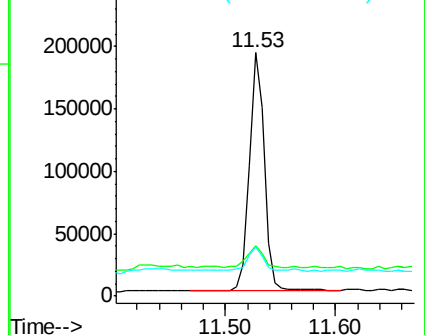
80 19.9 9.2 13.8#

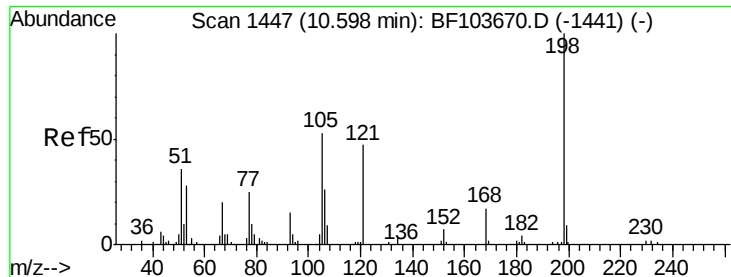


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

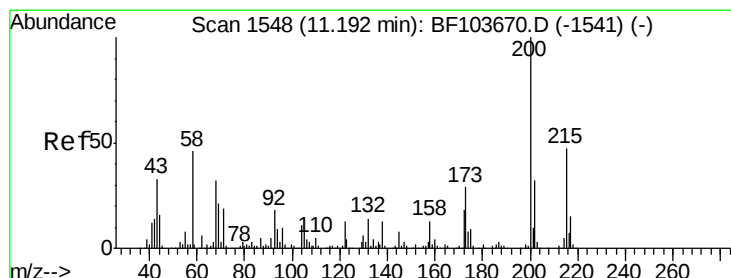
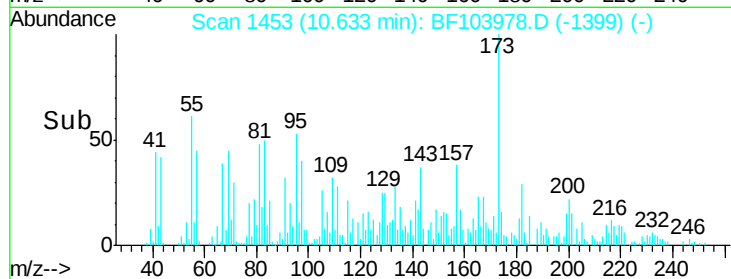
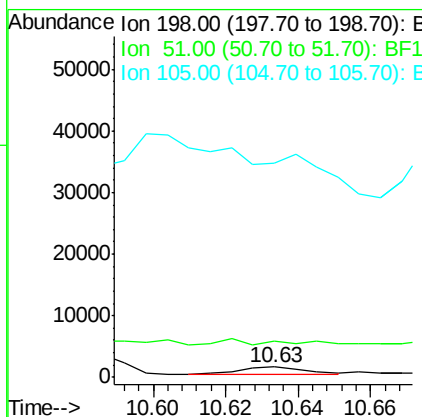
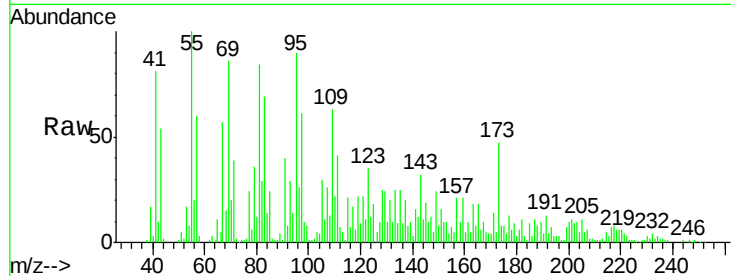




#64
 4,6-Dinitro-2-methylphenol
 Concen: 10.337 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. 0.02 min
 Lab File: BF103978.D
 Acq: 27 Mar 2018 19:03

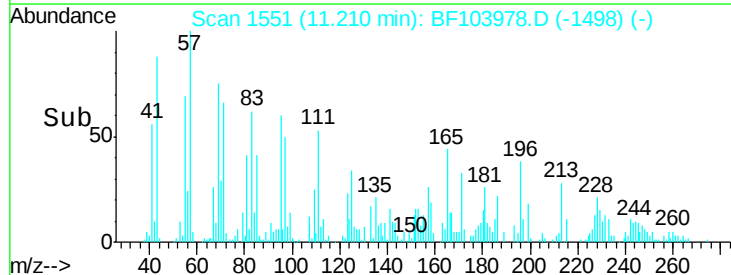
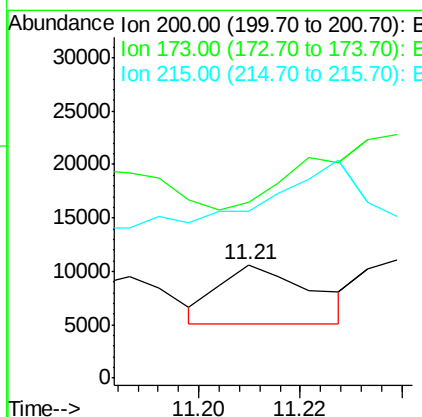
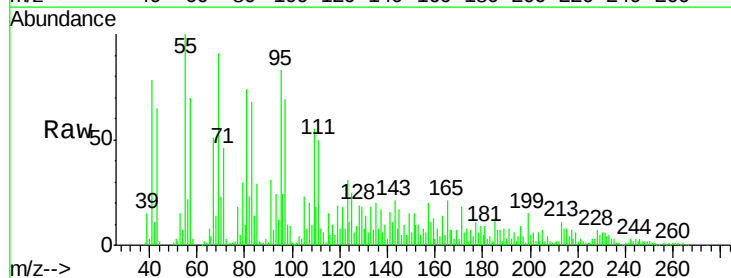
Instrument :
 BNA_F
 ClientSampleId :

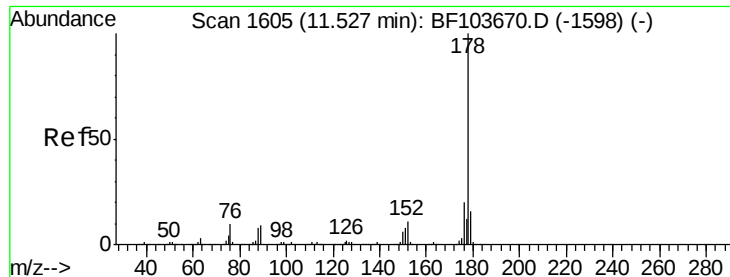
Tot Ion:198 Resp: 1389
 Ion Ratio Lower Upper
 198 100
 51 350.5 37.7 77.7#
 105 2101.3 36.3 76.3#



#68
 Atrazine
 Concen: 3.589 ng
 RT: 11.21 min Scan# 1551
 Delta R.T. 0.01 min
 Lab File: BF103978.D
 Acq: 27 Mar 2018 19:03

Tgt Ion:200 Resp: 7002
 Ion Ratio Lower Upper
 200 100
 173 155.5 8.6 48.6#
 215 147.2 25.1 65.1#

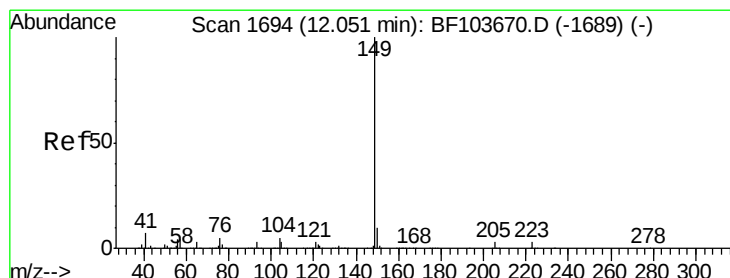
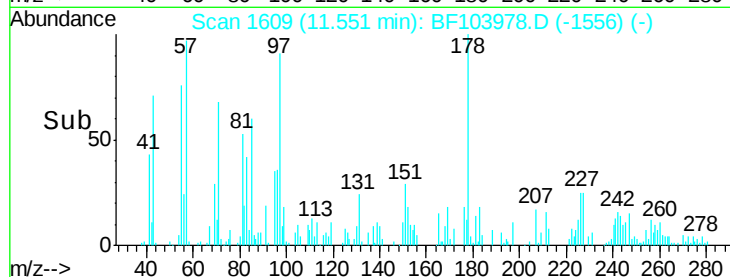
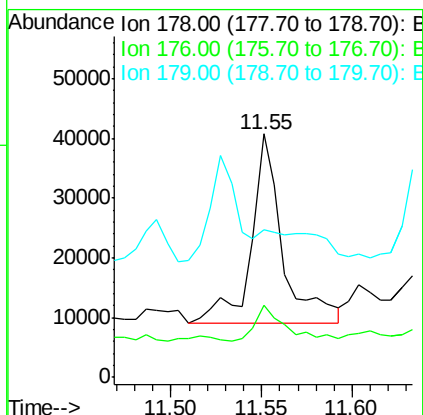
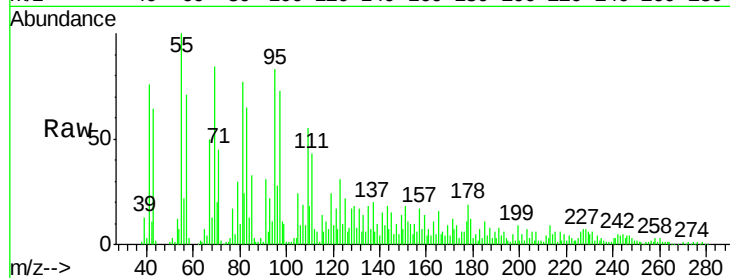




#70
Phenanthrene
Concen: 3.793 ng
RT: 11.55 min Scan# 1609
Delta R.T. 0.01 min
Lab File: BF103978.D
Acq: 27 Mar 2018 19:03

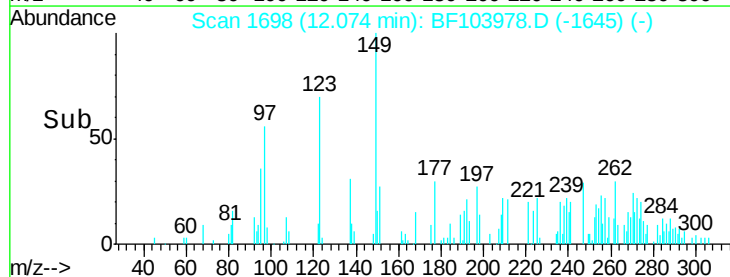
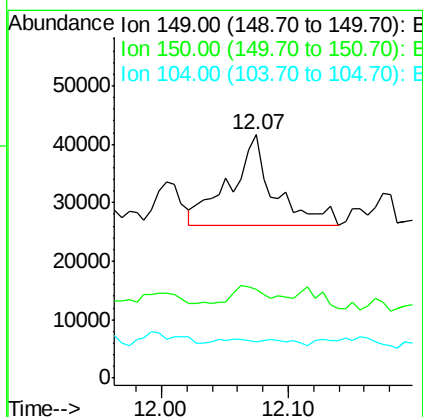
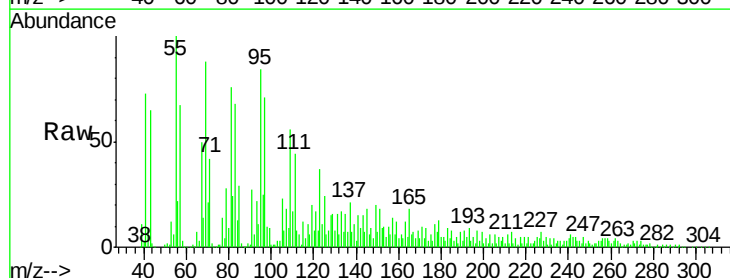
Instrument :
BNA_F
ClientSampleId :

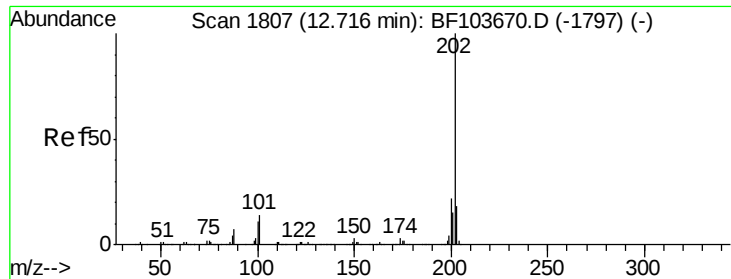
Tot Ion:178 Resp: 38445
Ion Ratio Lower Upper
178 100
176 29.7 15.8 23.8#
179 60.5 13.0 19.6#



#73
Di-n-butylphthalate
Concen: 3.147 ng
RT: 12.07 min Scan# 1698
Delta R.T. 0.01 min
Lab File: BF103978.D
Acq: 27 Mar 2018 19:03

Tgt Ion:149 Resp: 37786
Ion Ratio Lower Upper
149 100
150 36.3 7.8 11.6#
104 15.1 3.8 5.8#





#74

Fluoranthene

Concen: 3.464 ng

RT: 12.75 min Scan# 1813

Delta R.T. 0.02 min

Lab File: BF103978.D

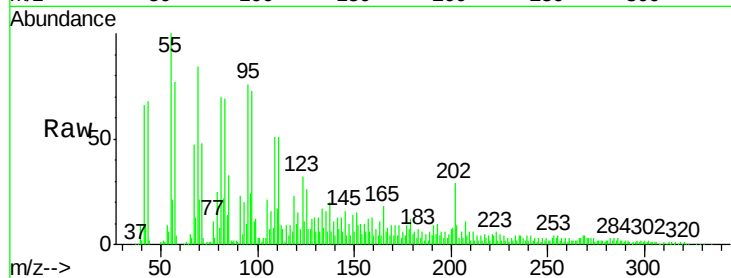
Acq: 27 Mar 2018 19:03

Instrument :

BNA_F

ClientSampleId :

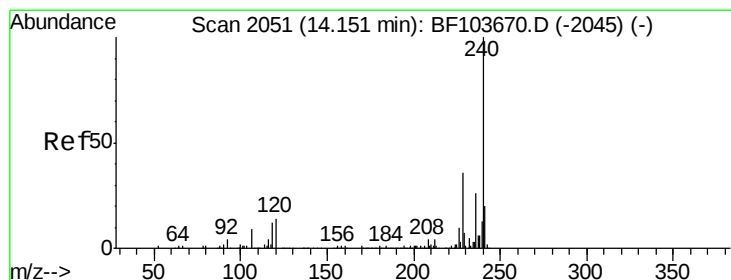
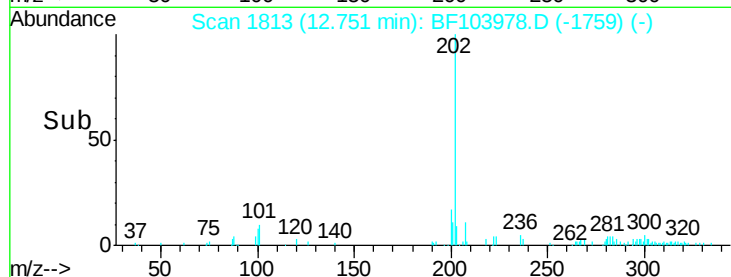
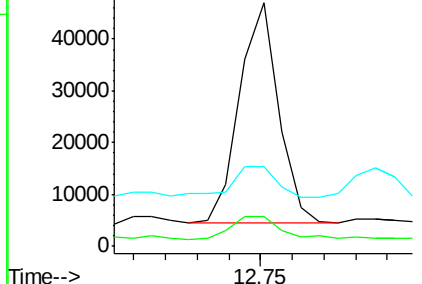
Tot Ion:	202	Resp:	36177
Ion	Ratio	Lower	Upper
202	100		
101	12.2	0.0	34.1
203	32.9	0.0	38.1



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



#75

Chrysene-d12

Concen: 20.000 ng

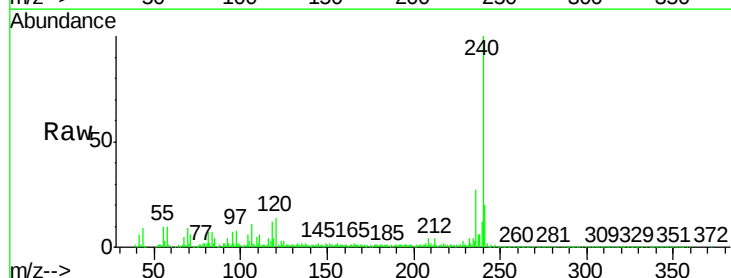
RT: 14.16 min Scan# 2053

Delta R.T. -0.01 min

Lab File: BF103978.D

Acq: 27 Mar 2018 19:03

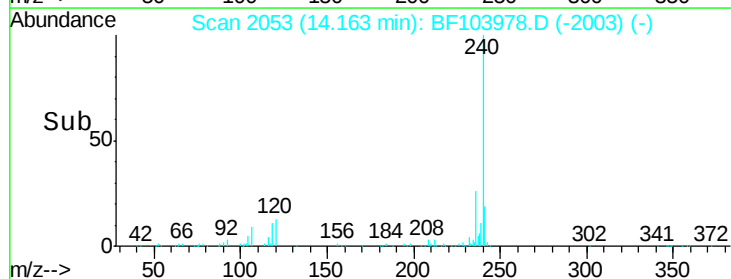
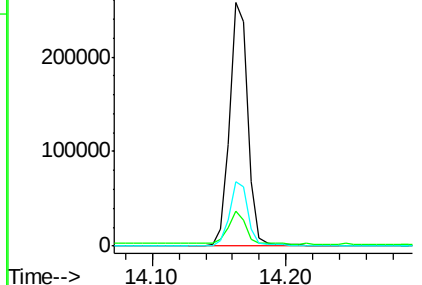
Tgt Ion:	240	Resp:	249569
Ion	Ratio	Lower	Upper
240	100		
120	14.5	9.5	14.3#
236	26.7	20.7	31.1

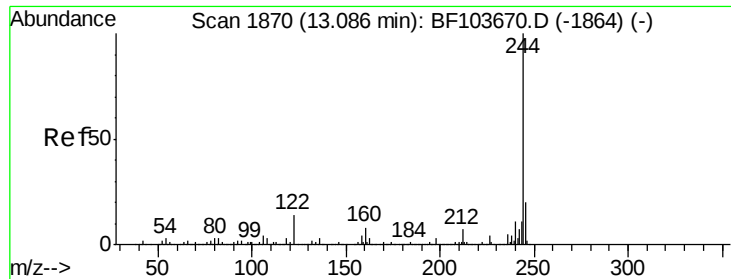


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

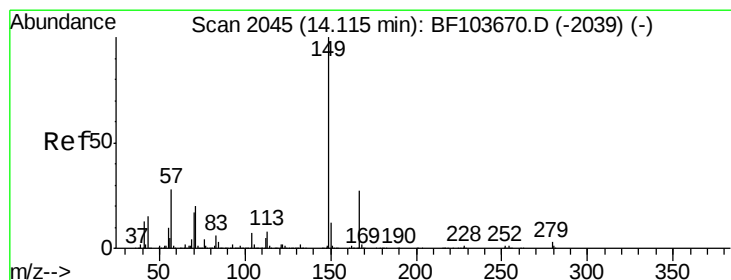
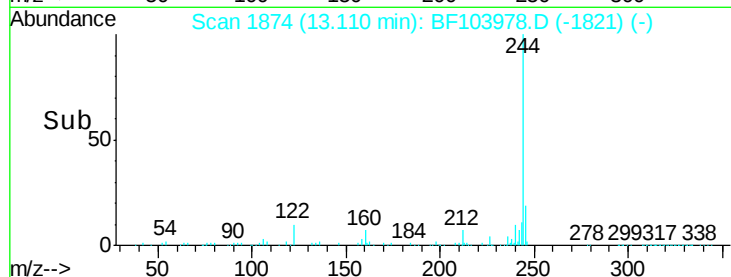
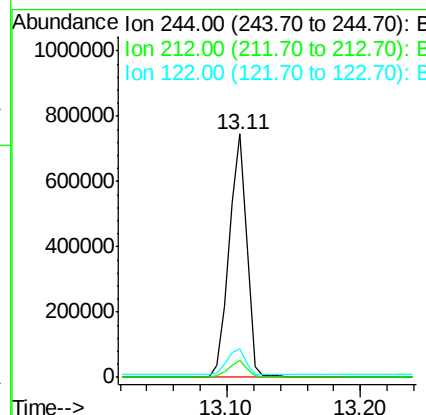
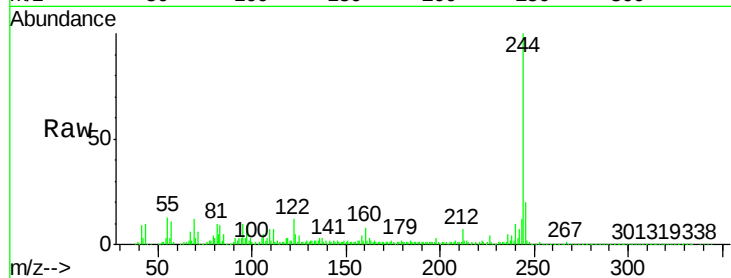




#78
 Terphenyl-d14
 Concen: 64.458 ng
 RT: 13.11 min Scan# 1874
 Delta R.T. 0.01 min
 Lab File: BF103978.D
 Acq: 27 Mar 2018 19:03

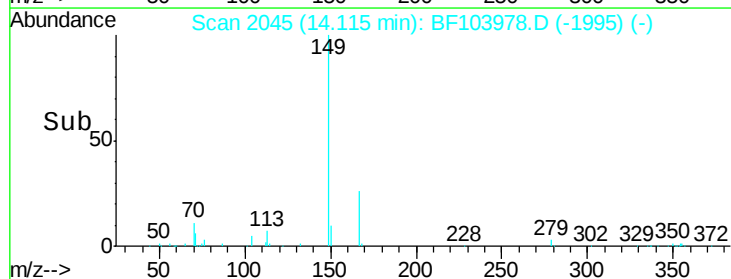
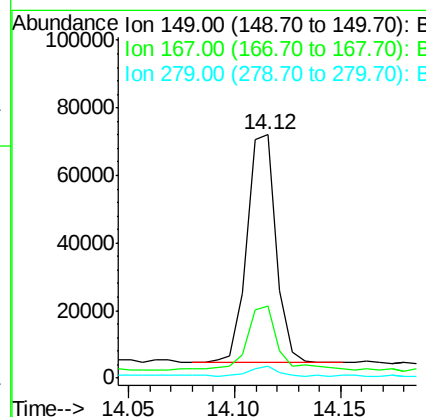
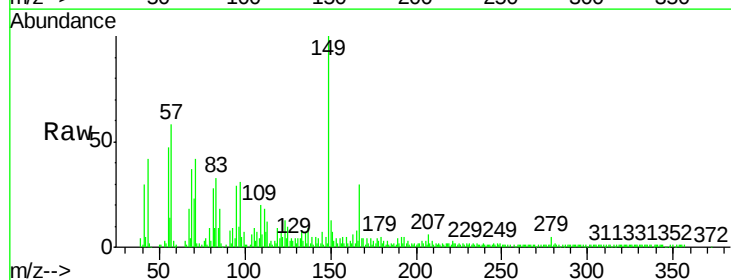
Instrument :
 BNA_F
 ClientSampleId :

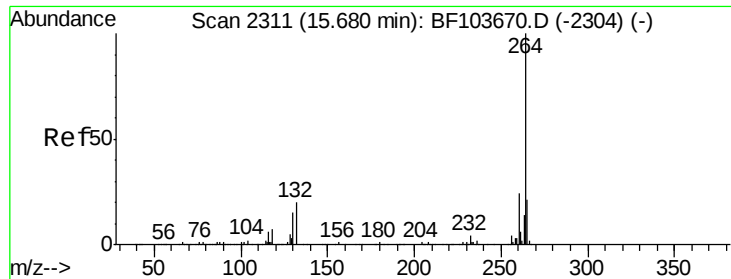
Tot Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.4	8.0
122	11.8	11.0	16.4



#83
 Bis(2-ethylhexyl)phthalate
 Concen: 5.546 ng
 RT: 14.12 min Scan# 2045
 Delta R.T. -0.01 min
 Lab File: BF103978.D
 Acq: 27 Mar 2018 19:03

Tgt Ion	Ratio	Lower	Upper
149	100		
167	29.7	21.3	31.9
279	4.8	3.0	4.4

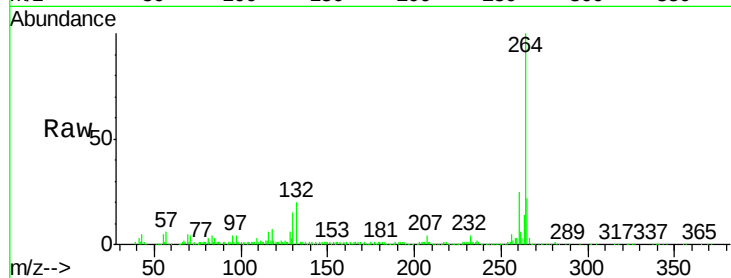




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.70 min Scan# 2315
Delta R.T. -0.01 min
Lab File: BF103978.D
Acq: 27 Mar 2018 19:03

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.2	28.8
265	22.3	17.5	26.3



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

