

Data Path : Z:\HPCHEM1\BNA F\DATA\BF021318\
 Data File : BF102964.D
 Acq On : 13 Feb 2018 16:24
 Operator : SJ/JU
 Sample : J1398-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 14 00:07:11 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 05 00:38:27 2018
 Response via : Initial Calibration

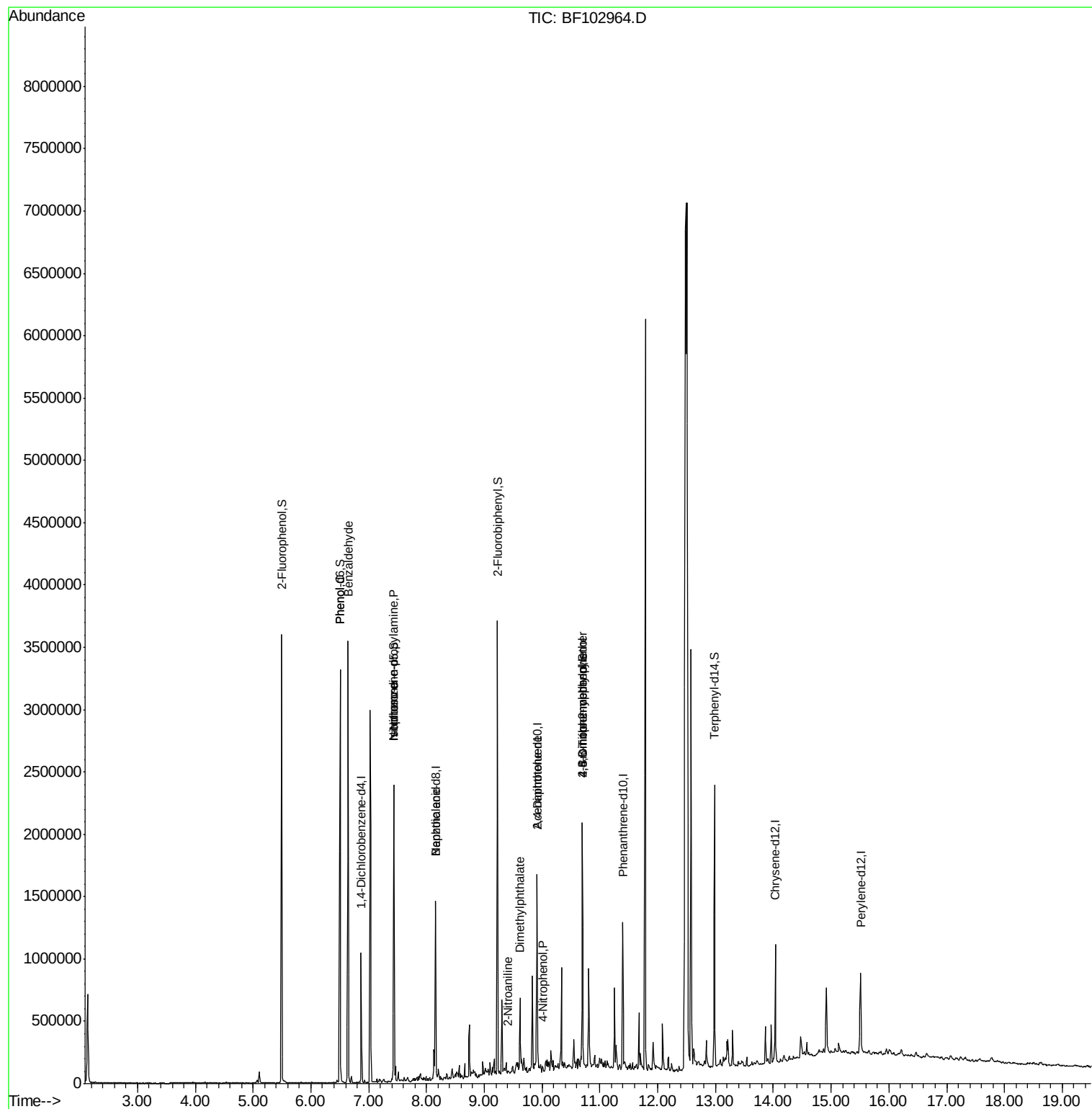
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	151811	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	644218	20.00	ng	0.00
38) Acenaphthene-d10	9.91	164	283334	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	417220	20.00	ng	0.00
75) Chrysene-d12	14.03	240	295493	20.00	ng	0.00
86) Perylene-d12	15.51	264	282172	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	1007340	100.77	ng	0.00
7) Phenol-d6	6.50	99	1216304	101.05	ng	0.00
23) Nitrobenzene-d5	7.43	82	771562	83.08	ng	-0.01
41) 2,4,6-Tribromophenol	10.70	330	217899	95.55	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1124709	65.87	ng	-0.01
78) Terphenyl-d14	12.98	244	733409	58.77	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.65	77	21170	2.37	ng	84
10) Phenol	6.51	94	26820	2.08	ng	# 63
19) n-Nitroso-di-n-propylamine	7.43	70	106091	13.37	ng	# 83
25) Isophorone	7.43	82	768335	35.93	ng	# 64
32) Benzoic acid	8.16	122	106	8.56	ng	# 1
47) 2-Nitroaniline	9.40	65	416	3.54	ng	# 2
49) Dimethylphthalate	9.62	163	161975	7.33	ng	99
55) 4-Nitrophenol	10.02	139	778	4.20	ng	# 1
56) 2,4-Dinitrotoluene	9.91	165	38796	9.52	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.69	198	408	9.01	ng	# 1
66) 4-Bromophenyl-phenylether	10.70	248	14950	3.39	ng	# 1

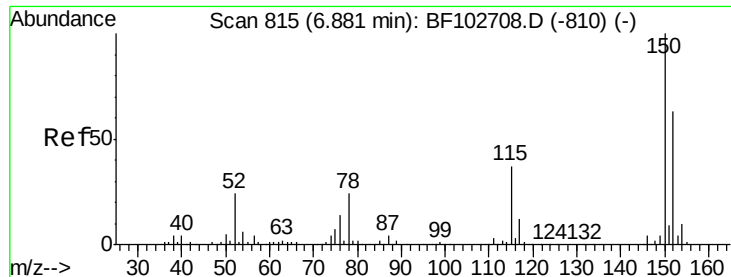
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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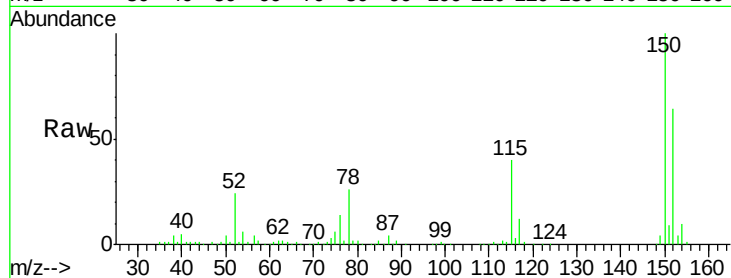


#1

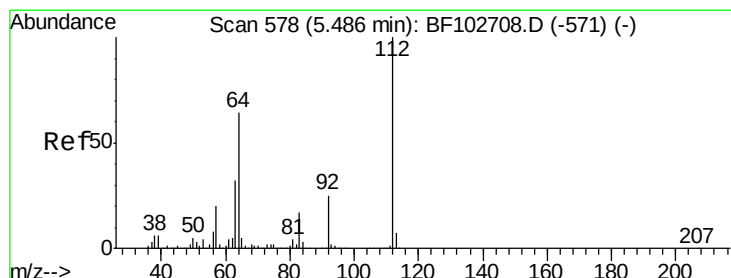
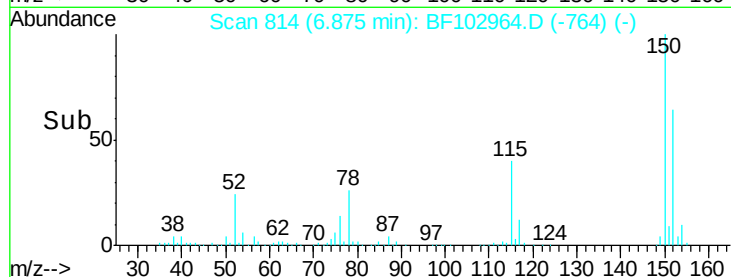
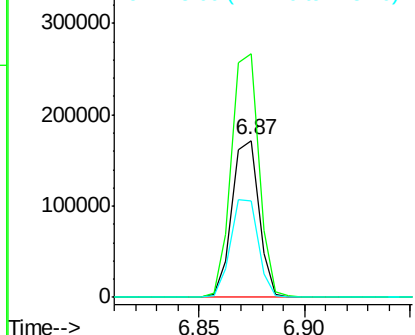
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF102964.D
Acq: 13 Feb 2018 16:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 151811
Ion Ratio Lower Upper
152 100
150 155.1 124.6 186.8
115 61.5 50.1 75.1



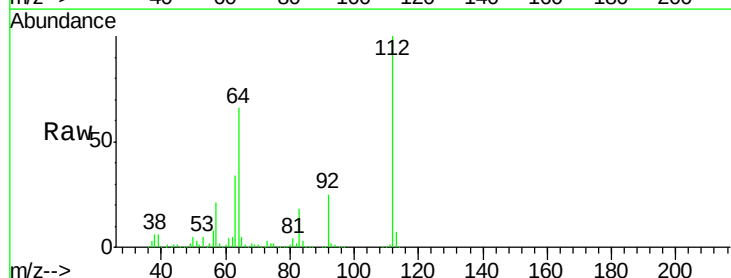
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



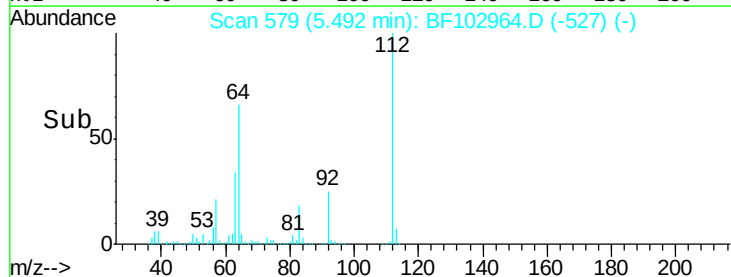
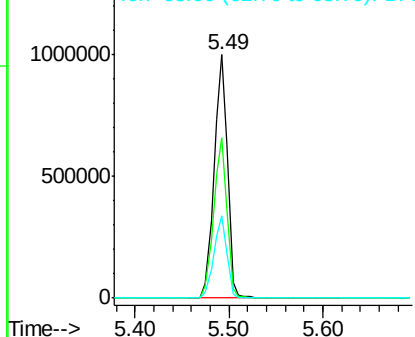
#5

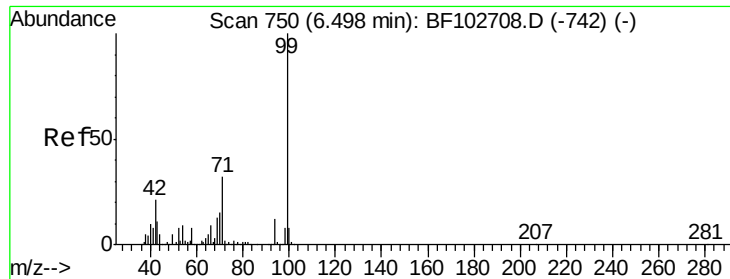
2-Fluorophenol
Concen: 100.77 ng
RT: 5.49 min Scan# 579
Delta R.T. 0.01 min
Lab File: BF102964.D
Acq: 13 Feb 2018 16:24

Tgt Ion:112 Resp: 1007340
Ion Ratio Lower Upper
112 100
64 65.7 47.9 71.9
63 33.8 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: 101.05 ng

RT: 6.50 min Scan# 751

Delta R.T. 0.01 min

Lab File: BF102964.D

Acq: 13 Feb 2018 16:24

Instrument :

BNA_F

ClientSampleId :

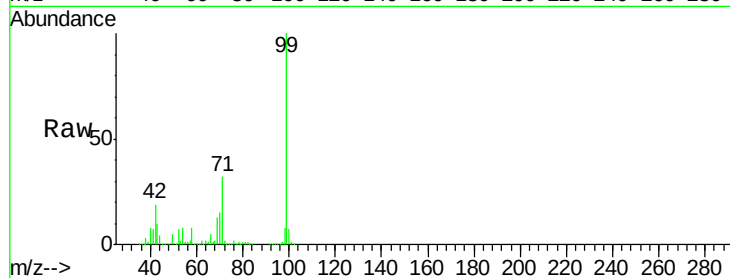
Tot Ion: 99 Resp: 1216304

Ion Ratio Lower Upper

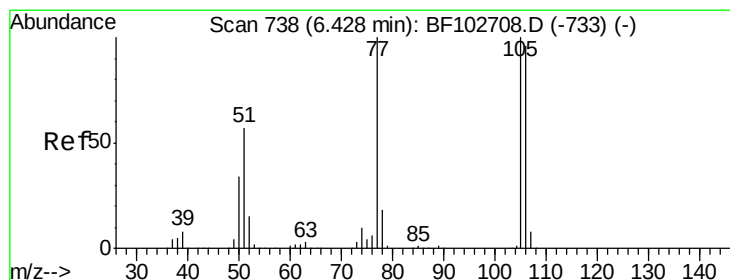
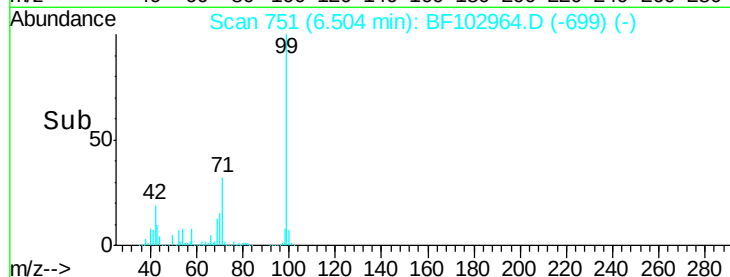
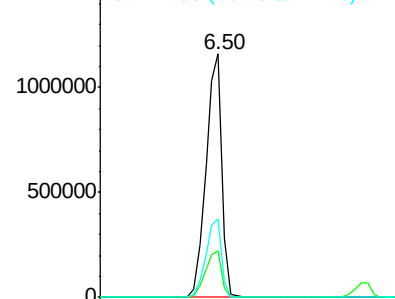
99 100

42 18.8 14.5 21.7

71 32.1 25.4 38.0



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: 2.37 ng

RT: 6.65 min Scan# 775

Delta R.T. 0.22 min

Lab File: BF102964.D

Acq: 13 Feb 2018 16:24

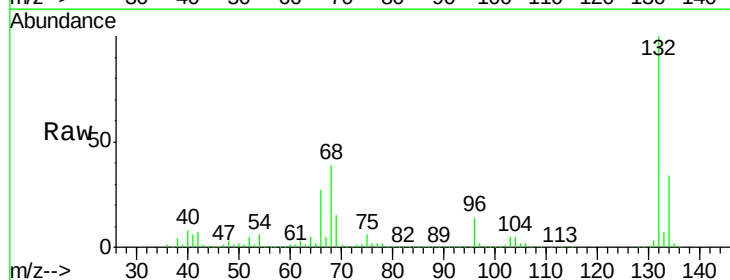
Tgt Ion: 77 Resp: 21170

Ion Ratio Lower Upper

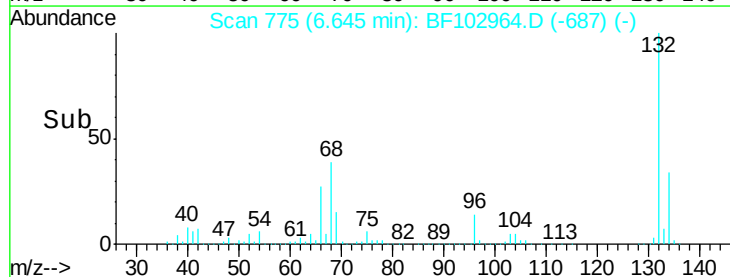
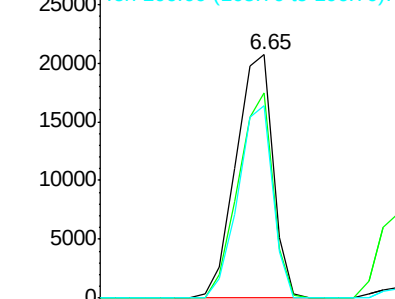
77 100

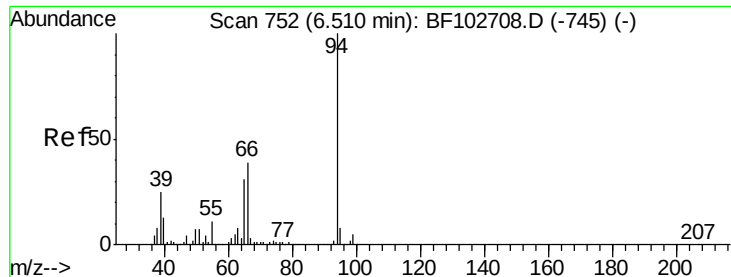
105 84.5 81.1 121.1

106 79.3 74.5 114.5



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

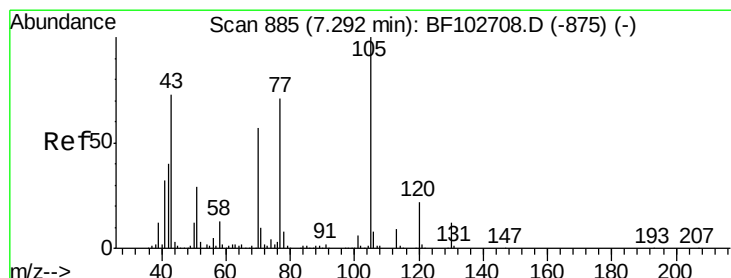
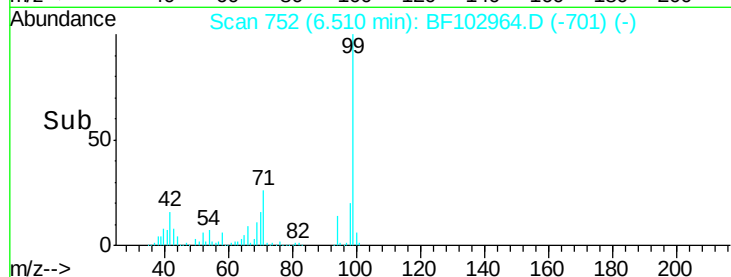
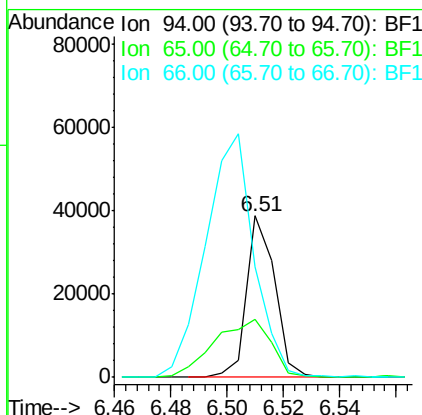
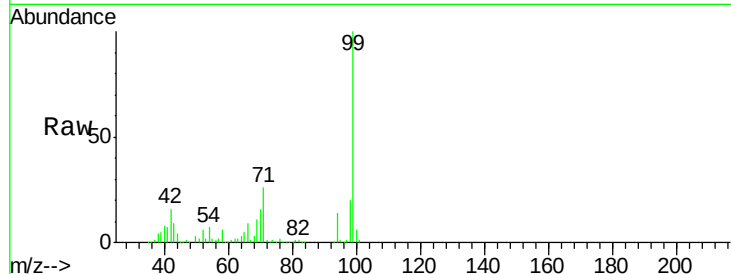




#10
Phenol
Concen: 2.08 ng
RT: 6.51 min Scan# 752
Delta R.T. -0.00 min
Lab File: BF102964.D
Acq: 13 Feb 2018 16:24

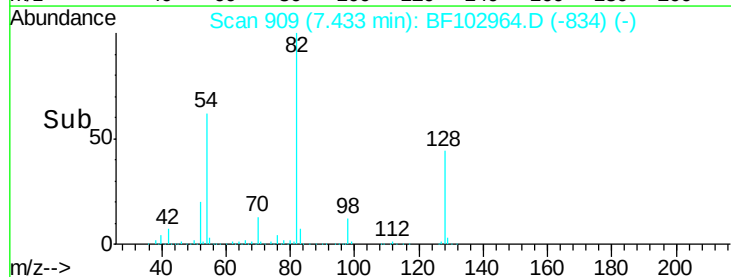
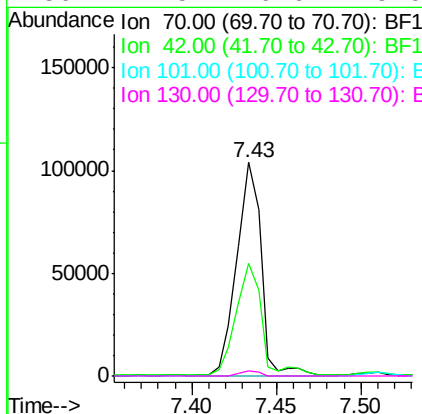
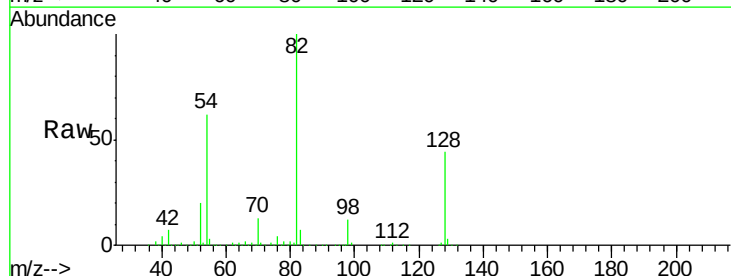
Instrument :
BNA_F
ClientSampleId :

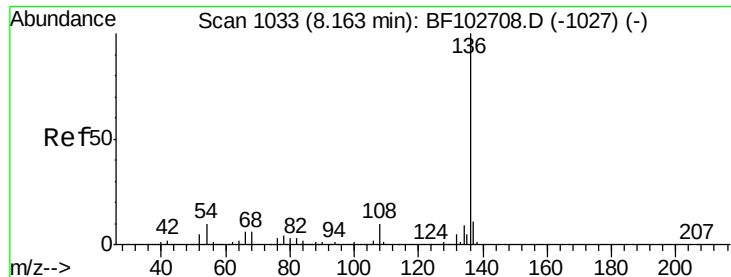
Tot Ion: 94 Resp: 26820
Ion Ratio Lower Upper
94 100
65 35.7 7.9 47.9
66 68.4 16.2 56.2#



#19
n-Nitroso-di-n-propylamine
Concen: 13.37 ng
RT: 7.43 min Scan# 909
Delta R.T. 0.14 min
Lab File: BF102964.D
Acq: 13 Feb 2018 16:24

Tgt Ion: 70 Resp: 106091
Ion Ratio Lower Upper
70 100
42 53.0 47.5 71.3
101 0.0 7.4 11.2#
130 2.5 16.6 25.0#

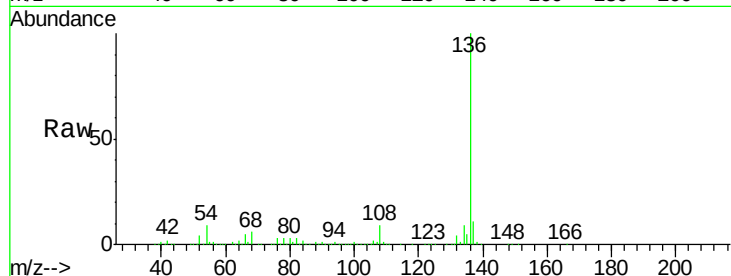




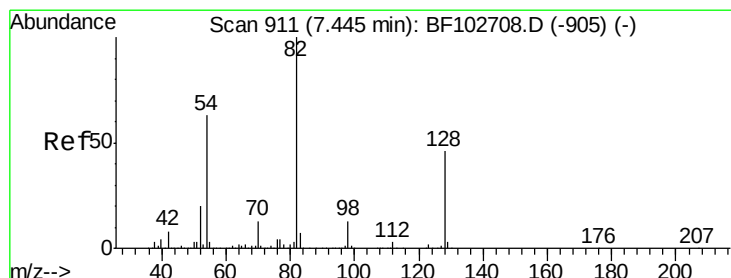
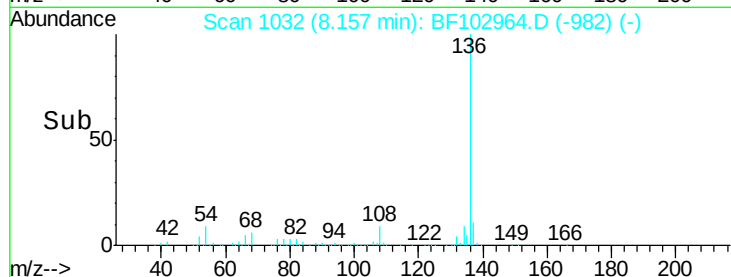
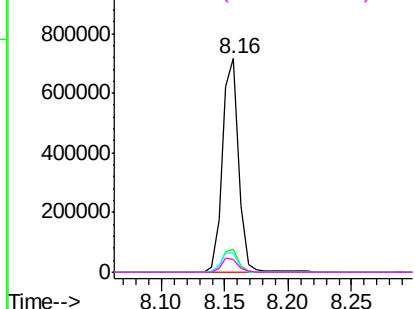
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.16 min Scan# 1032
Delta R.T. -0.01 min
Lab File: BF102964.D
Acq: 13 Feb 2018 16:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp: 644218
Ion Ratio	Lower Upper
136 100	
137 11.1	8.9 13.3
54 9.2	6.6 9.8
68 6.2	5.0 7.4

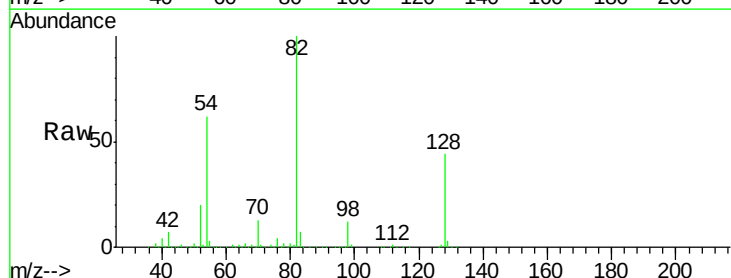


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

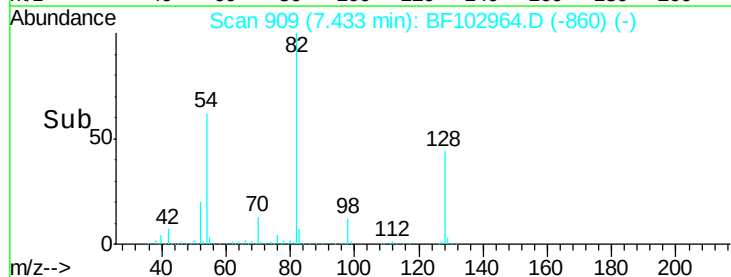
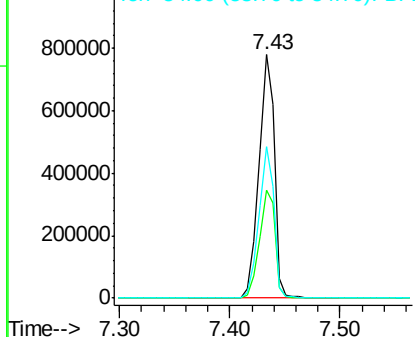


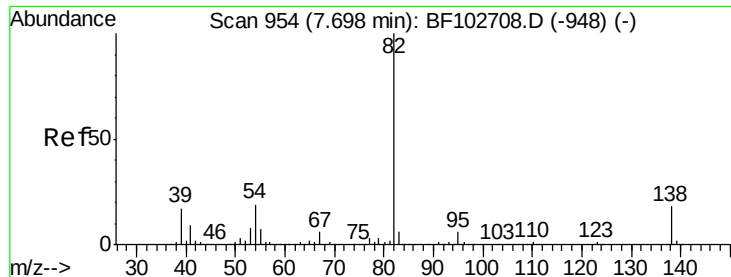
#23
Nitrobenzene-d5
Concen: 83.08 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.01 min
Lab File: BF102964.D
Acq: 13 Feb 2018 16:24

Tgt	Ion: 82	Resp:	771562
Ion	Ratio	Lower	Upper
82	100		
128	44.2	36.1	54.1
54	62.2	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: 35.93 ng

RT: 7.43 min Scan# 909

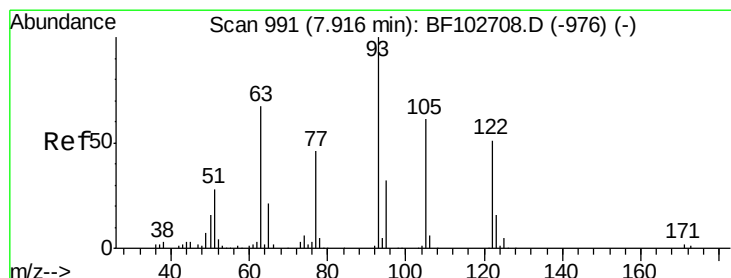
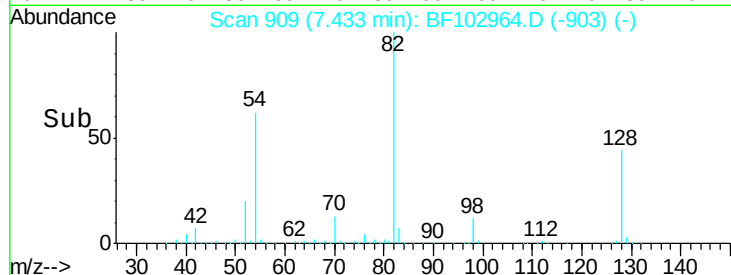
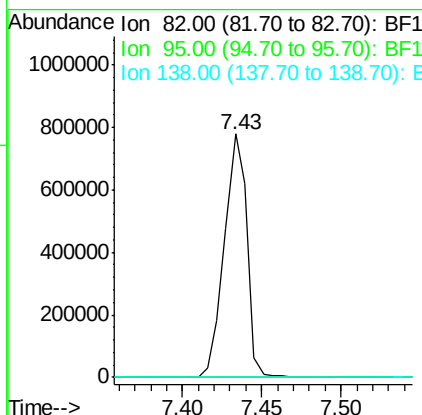
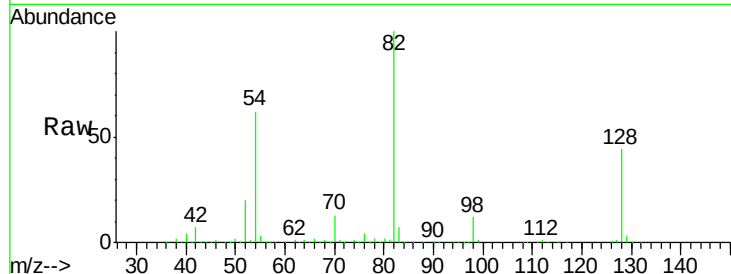
Delta R.T. -0.26 min

Lab File: BF102964.D

Acq: 13 Feb 2018 16:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 768335
Ion Ratio Lower Upper
82 100
95 0.1 5.2 7.8#
138 0.0 14.9 22.3#



#32

Benzoic acid

Concen: 8.56 ng

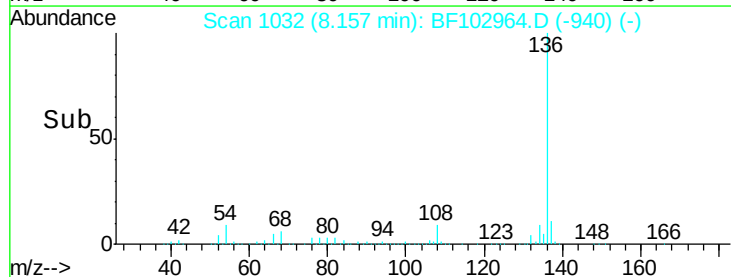
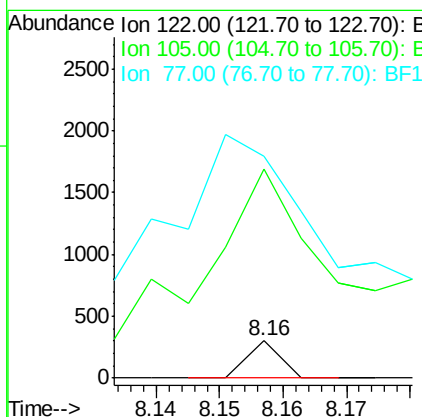
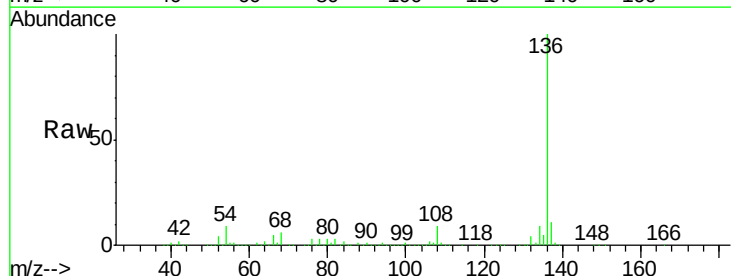
RT: 8.16 min Scan# 1032

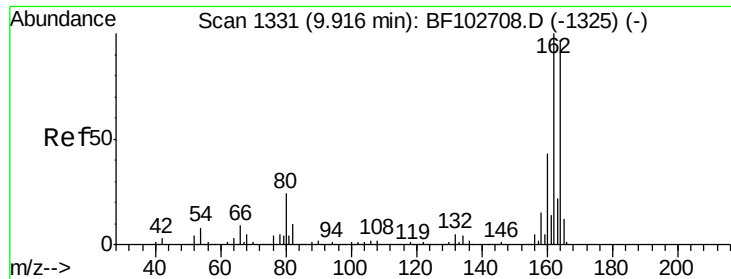
Delta R.T. 0.24 min

Lab File: BF102964.D

Acq: 13 Feb 2018 16:24

Tgt Ion: 122 Resp: 106
Ion Ratio Lower Upper
122 100
105 561.5 101.1 141.1#
77 597.3 70.7 110.7#

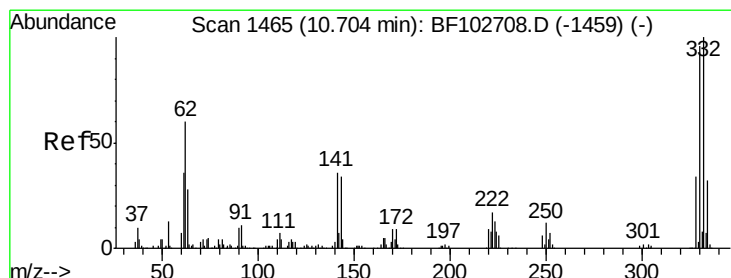
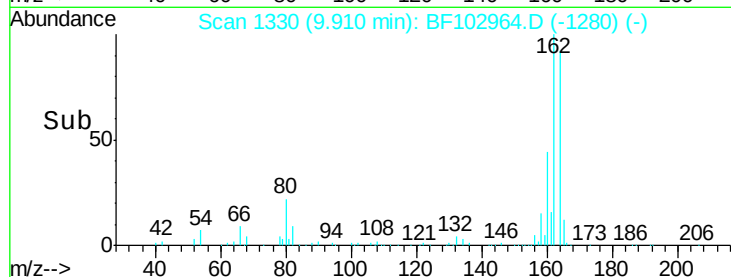
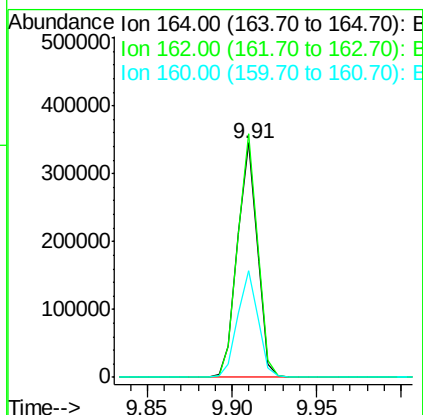
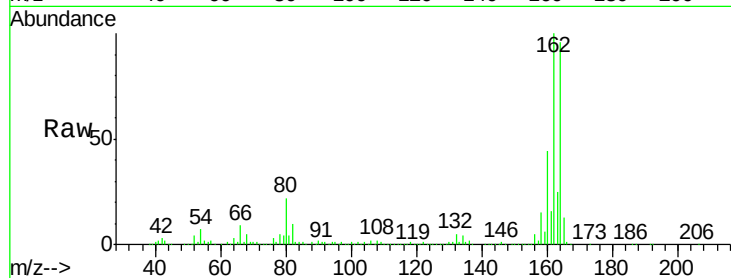




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. -0.01 min
 Lab File: BF102964.D
 Acq: 13 Feb 2018 16:24

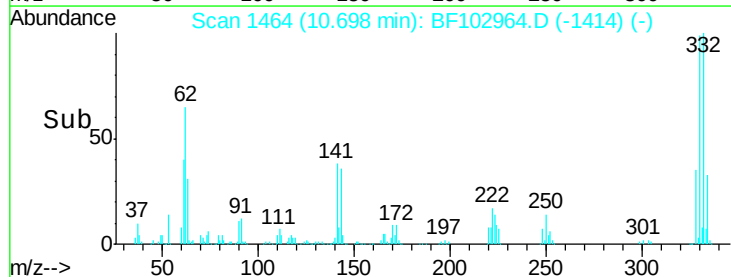
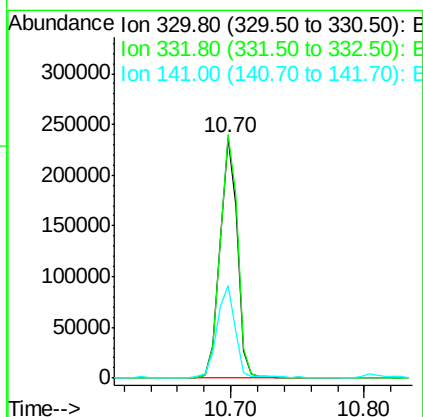
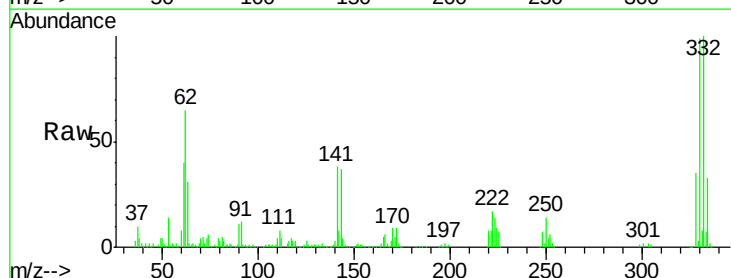
Instrument :
 BNA_F
 ClientSampleId :

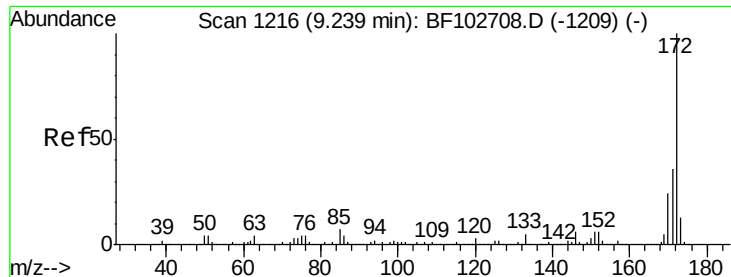
Tot Ion	Ratio	Lower	Upper
164	100		
162	103.9	86.1	129.1
160	45.6	38.3	57.5



#41
 2,4,6-Tribromophenol
 Concen: 95.55 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.01 min
 Lab File: BF102964.D
 Acq: 13 Feb 2018 16:24

Tgt Ion	Ratio	Lower	Upper
330	100		
332	102.3	77.0	115.6
141	39.7	29.9	44.9

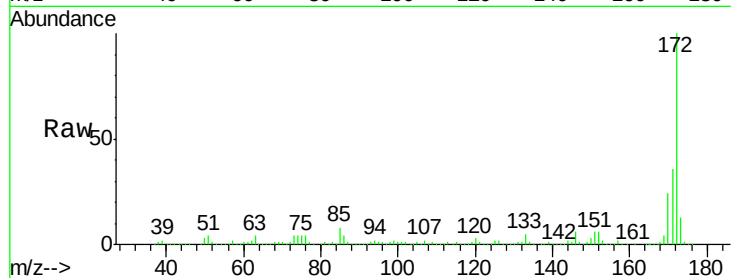




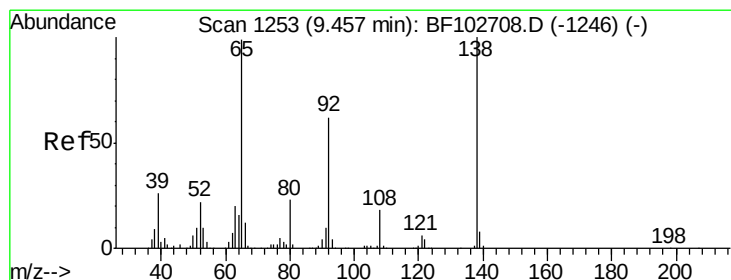
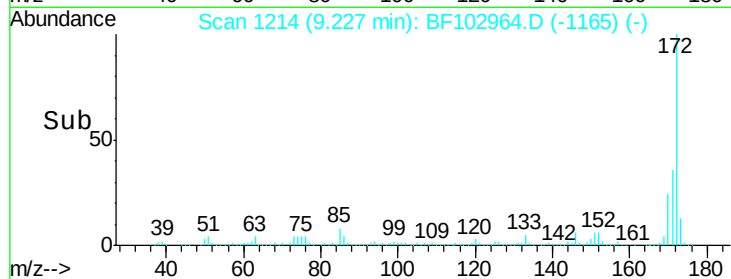
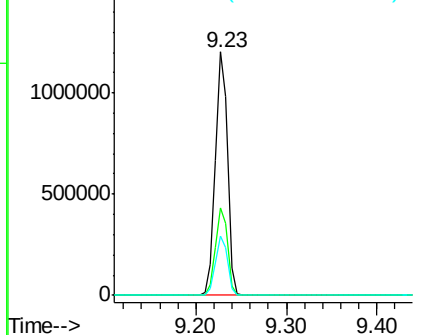
#44
2-Fluorobiphenyl
Concen: 65.87 ng
RT: 9.23 min Scan# 1214
Delta R.T. -0.01 min
Lab File: BF102964.D
Acq: 13 Feb 2018 16:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1124709
Ion Ratio Lower Upper
172 100
171 35.7 29.7 44.5
170 24.2 19.6 29.4

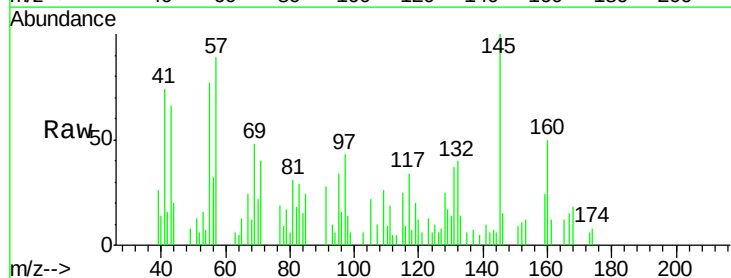


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

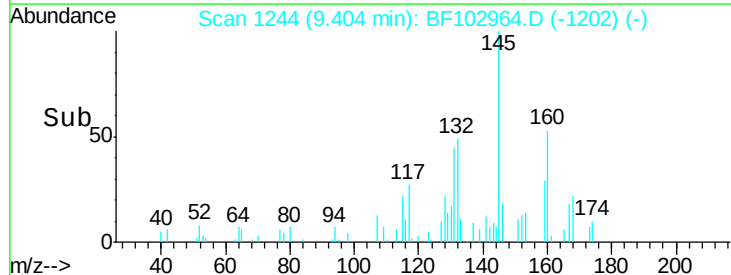
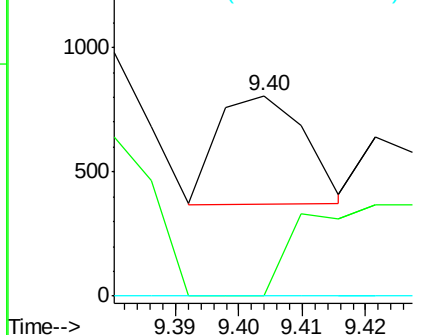


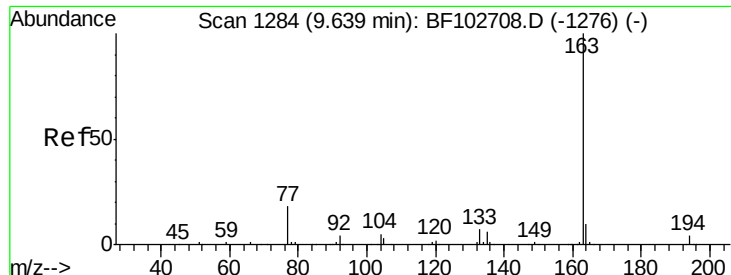
#47
2-Nitroaniline
Concen: 3.54 ng
RT: 9.40 min Scan# 1244
Delta R.T. -0.05 min
Lab File: BF102964.D
Acq: 13 Feb 2018 16:24

Tgt Ion: 65 Resp: 416
Ion Ratio Lower Upper
65 100
92 0.0 55.8 83.6#
138 0.0 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

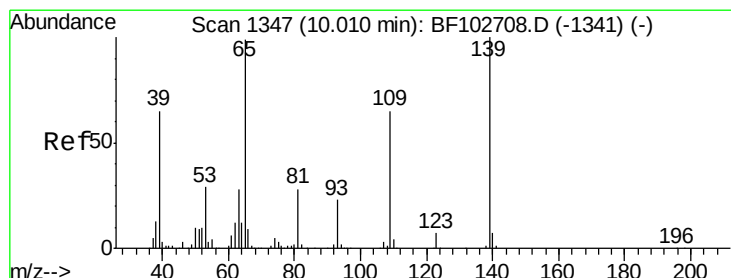
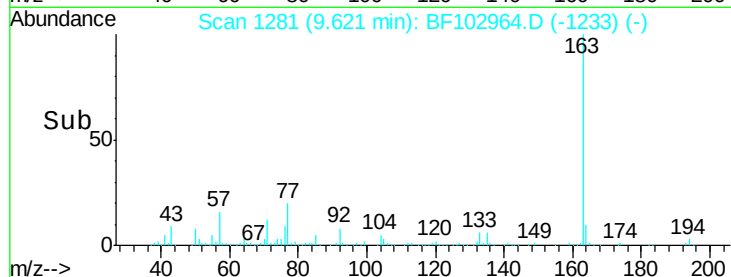
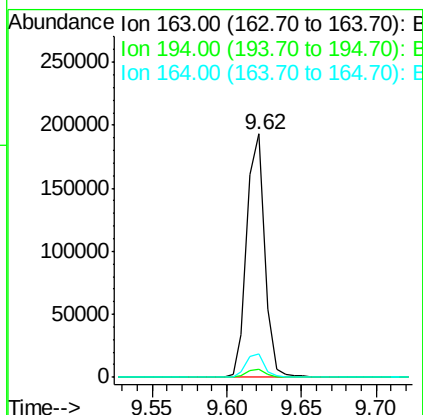
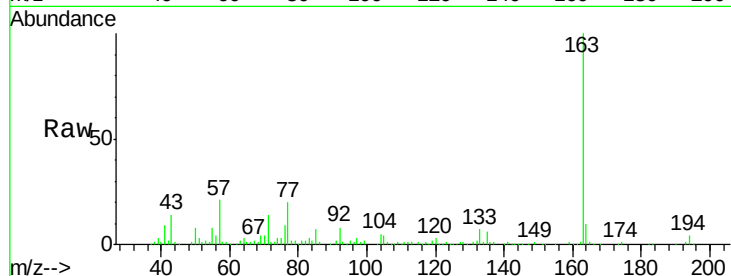




#49
Dimethylphthalate
Concen: 7.33 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.02 min
Lab File: BF102964.D
Acq: 13 Feb 2018 16:24

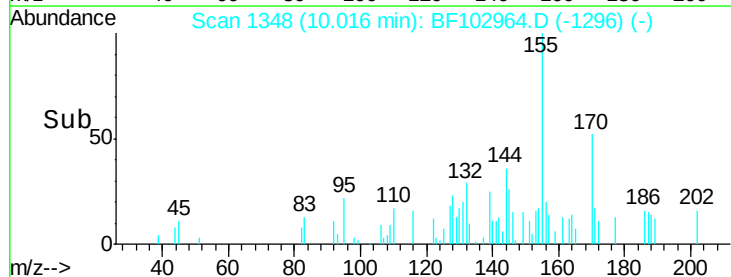
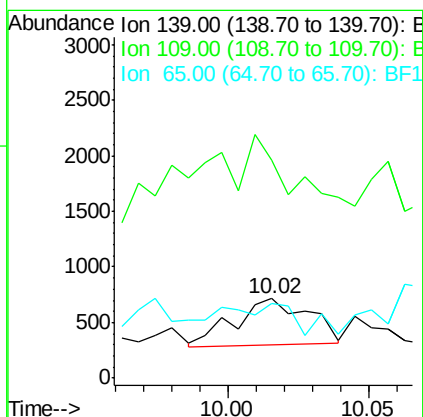
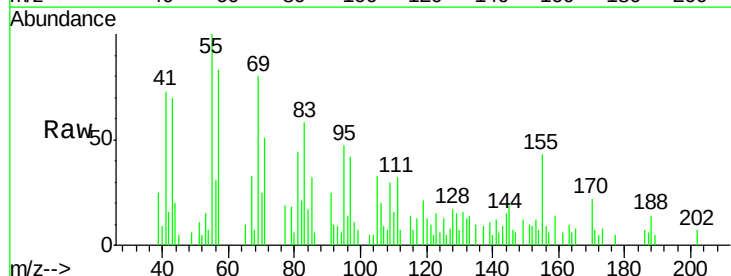
Instrument :
BNA_F
ClientSampled :

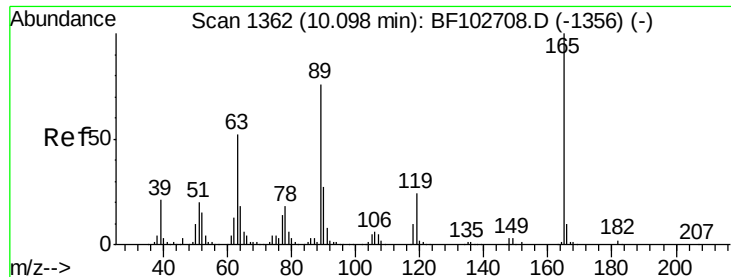
Tot Ion:163 Resp: 161975
Ion Ratio Lower Upper
163 100
194 3.5 2.7 4.1
164 9.7 8.2 12.2



#55
4-Nitrophenol
Concen: 4.20 ng
RT: 10.02 min Scan# 1348
Delta R.T. 0.01 min
Lab File: BF102964.D
Acq: 13 Feb 2018 16:24

Tgt Ion:139 Resp: 778
Ion Ratio Lower Upper
139 100
109 274.6 48.4 88.4#
65 94.7 72.6 112.6

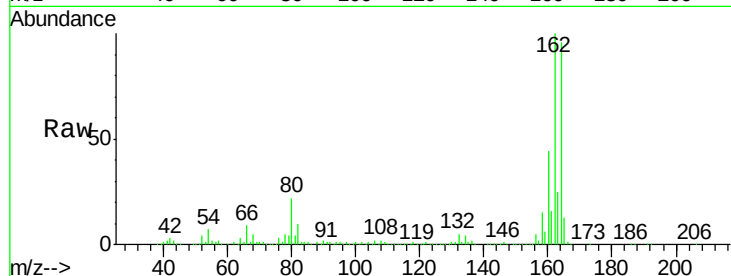




#56
 2,4-Dinitrotoluene
 Concen: 9.52 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. -0.19 min
 Lab File: BF102964.D
 Acq: 13 Feb 2018 16:24

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165	Resp:	38796
Ion Ratio	Lower	Upper
165	100	
63	1.8	36.4 54.6#
89	1.3	57.8 86.6#
182	0.0	1.6 2.4#

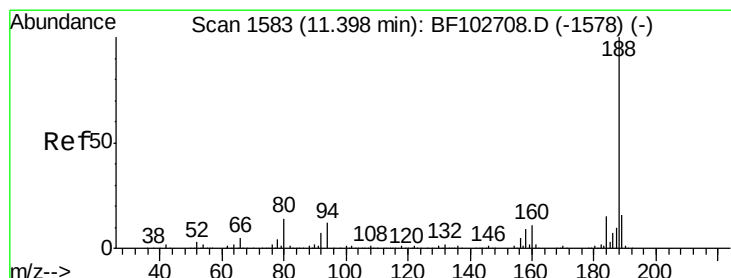
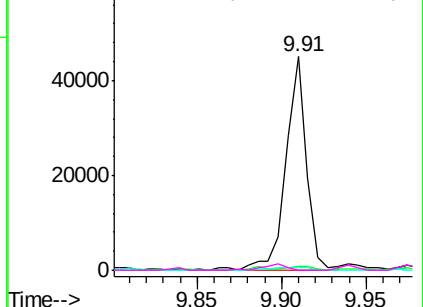
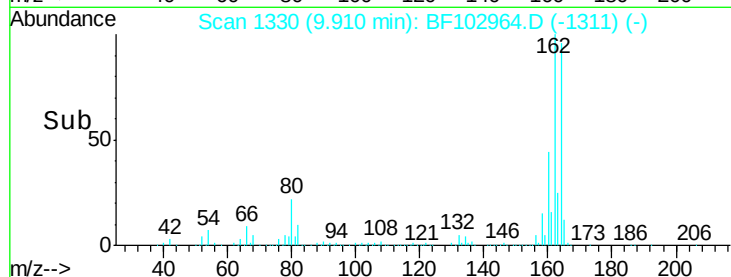


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

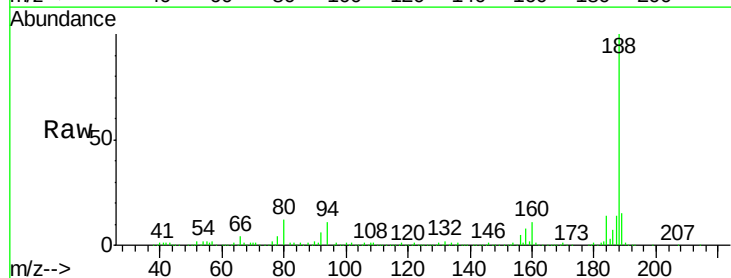
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.40 min Scan# 1583
 Delta R.T. -0.00 min
 Lab File: BF102964.D
 Acq: 13 Feb 2018 16:24

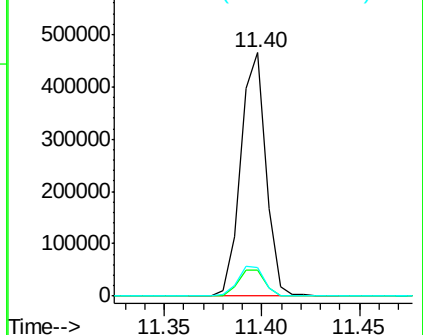
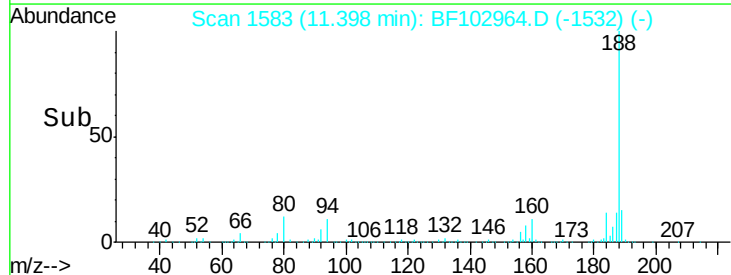
Tgt Ion:188	Resp:	417220
Ion Ratio	Lower	Upper
188	100	
94	10.6	8.5 12.7
80	11.6	9.2 13.8

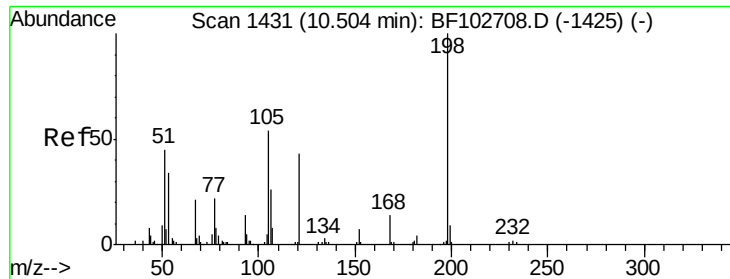


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

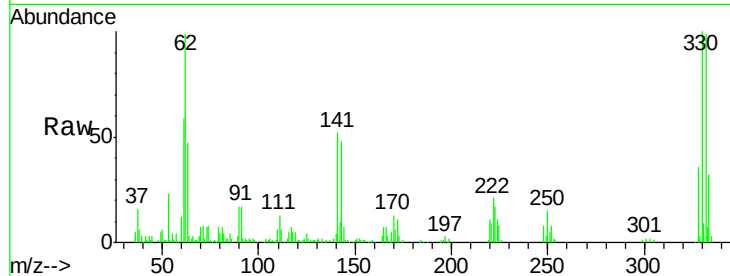




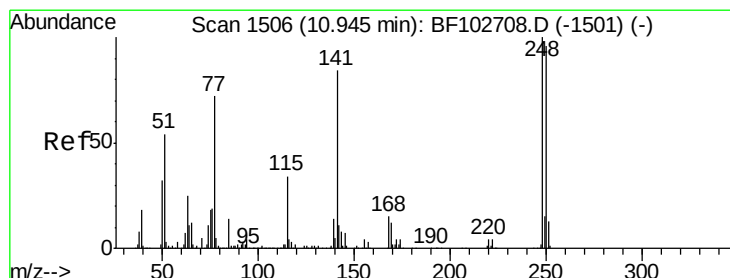
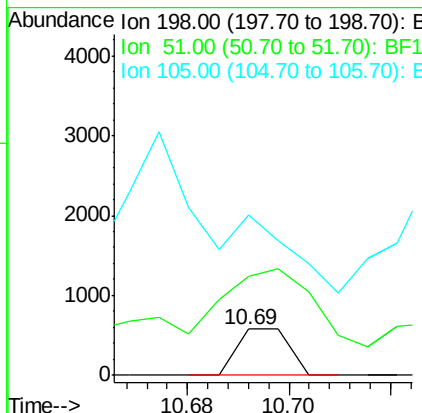
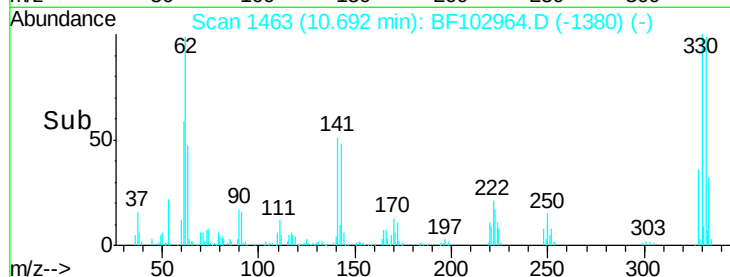
#64
4,6-Dinitro-2-methylphenol
Concen: 9.01 ng
RT: 10.69 min Scan# 1463
Delta R.T. 0.19 min
Lab File: BF102964.D
Acq: 13 Feb 2018 16:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion:198 Resp: 408
Ion Ratio Lower Upper
198 100
51 213.1 37.7 77.7#
105 345.9 36.3 76.3#

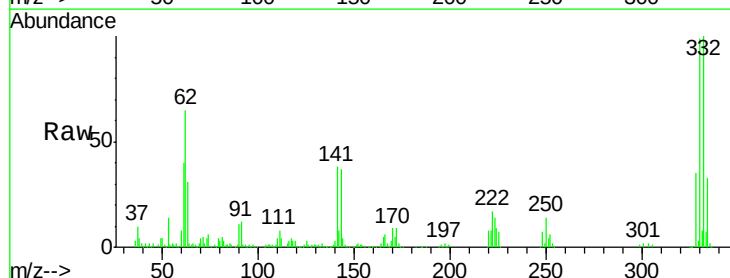


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

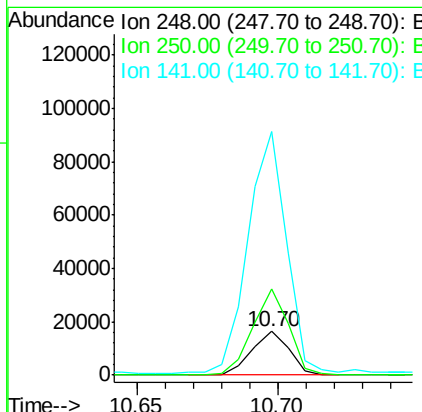
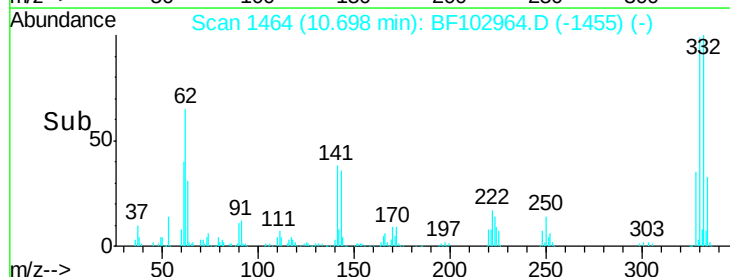


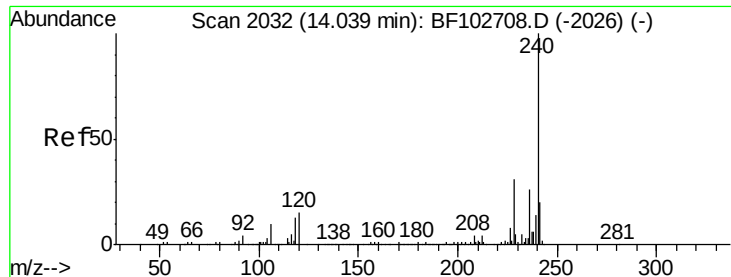
#66
4-Bromophenyl-phenylether
Concen: 3.39 ng
RT: 10.70 min Scan# 1464
Delta R.T. -0.25 min
Lab File: BF102964.D
Acq: 13 Feb 2018 16:24

Tgt Ion:248 Resp: 14950
Ion Ratio Lower Upper
248 100
250 199.5 76.9 115.3#
141 561.2 74.4 111.6#



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





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.03 min Scan# 2031

Delta R.T. -0.01 min

Lab File: BF102964.D

Acq: 13 Feb 2018 16:24

Instrument :

BNA_F

ClientSampleId :

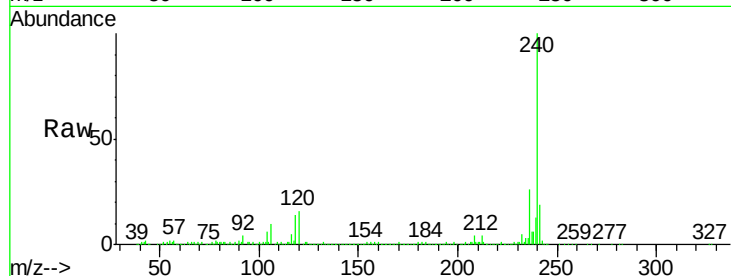
Tot Ion:240 Resp: 295493

Ion Ratio Lower Upper

240 100

120 15.6 9.5 14.3#

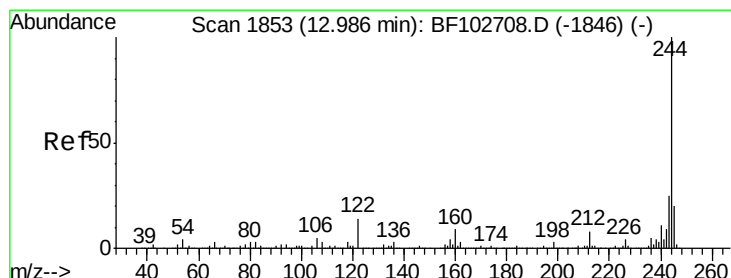
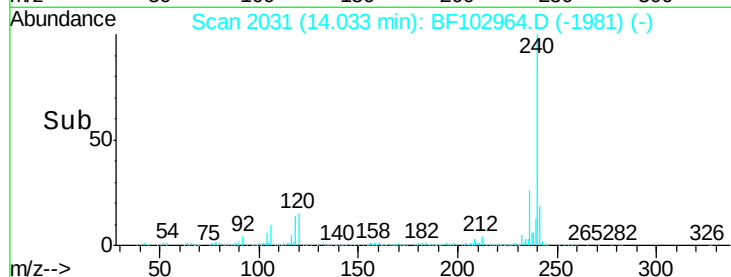
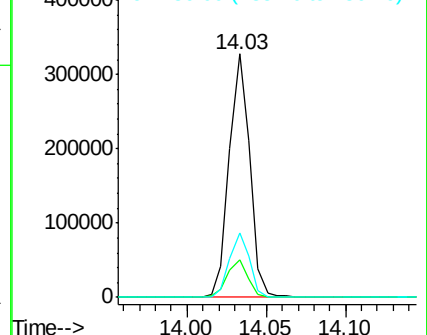
236 26.2 20.7 31.1



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: 58.77 ng

RT: 12.98 min Scan# 1852

Delta R.T. -0.01 min

Lab File: BF102964.D

Acq: 13 Feb 2018 16:24

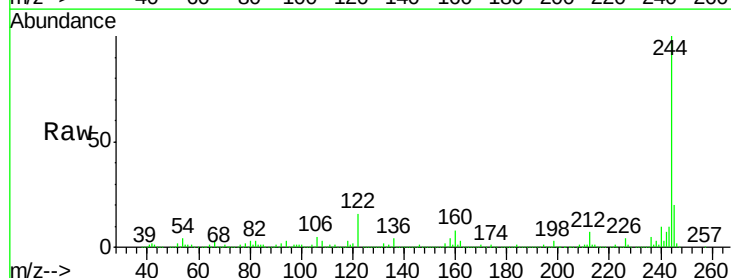
Tgt Ion:244 Resp: 733409

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

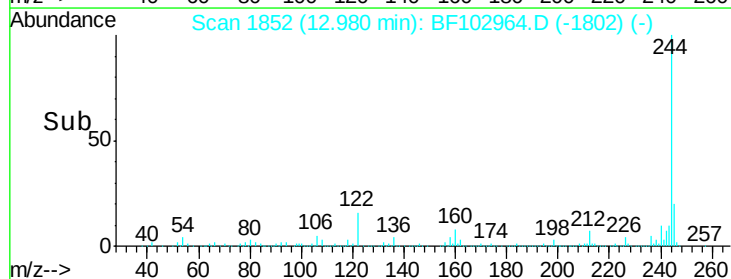
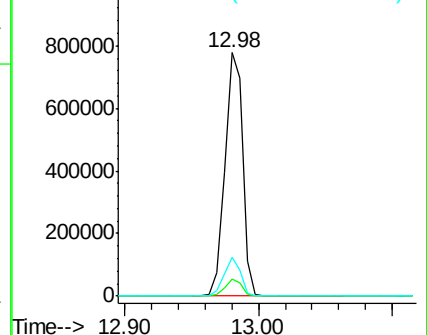
122 15.9 11.0 16.4

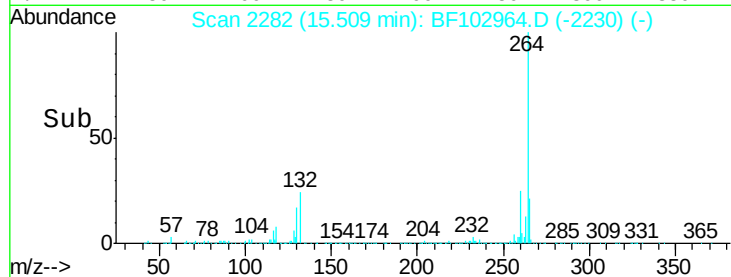
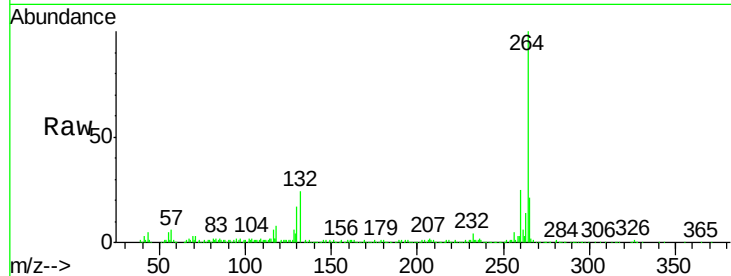
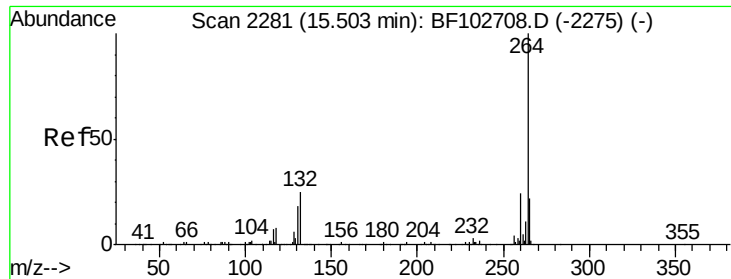


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.51 min Scan# 2282
Delta R.T. 0.01 min
Lab File: BF102964.D
Acq: 13 Feb 2018 16:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.2	28.8
265	21.4	17.5	26.3

