

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN042219\
 Data File : BN005192.D
 Acq On : 23 Apr 2019 01:37
 Operator : JU/SJ
 Sample : K2455-18
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GAHR8

Quant Time: Apr 23 03:44:16 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Apr 19 04:25:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	424925	20.00	ng/ul	0.00
18) Naphthalene-d8	10.36	136	1715712	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.24	164	1231190	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.99	188	2895460	20.00	ng/ul	0.00
77) Chrysene-d12	21.21	240	2658996	20.00	ng/ul	0.01
85) Perylene-d12	23.41	264	2598004	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	115914	13.17	ng/uL	0.00
5) Phenol-d5	6.78	99	1479597	44.33	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.95	67	989204	47.51	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	1201362	47.04	ng/ul	0.00
13) 4-Methylphenol-d8	8.30	113	1253027	48.03	ng/ul	0.00
19) Nitrobenzene-d5	8.74	128	606155	57.40	ng/ul	0.00
22) 2-Nitrophenol-d4	9.45	143	652231	60.92	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.99	165	1173709	47.83	ng/ul	0.00
29) 4-Chloroaniline-d4	10.49	131	3062953	121.03	ng/ul	0.00
43) Dimethylphthalate-d6	13.66	166	3398148	38.02	ng/ul	0.00
46) Acenaphthylene-d8	13.93	160	4371607	39.83	ng/ul	0.00
51) 4-Nitrophenol-d4	14.43	143	597853	42.37	ng/ul	0.00
57) Fluorene-d10	15.24	176	2994334	39.92	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.35	200	452829	34.77	ng/ul	0.00
70) Anthracene-d10	17.09	188	4638568	38.22	ng/ul	0.00
78) Pyrene-d10	19.40	212	5119662	37.64	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.27	264	4395466	38.71	ng/ul	0.03

Target Compounds

					Qvalue	
4) Benzaldehyde	6.76	77	28716	1.214	ng/ul#	1
14) Acetophenone	8.40	105	389033	9.318	ng/ul#	35
15) N-Nitroso-di-n-propylamine	8.37	70	142110	6.363	ng/ul#	61
20) Nitrobenzene	8.78	77	49091	1.689	ng/ul#	46
21) Isophorone	9.30	82	306045	5.319	ng/ul#	1
23) 2-Nitrophenol	9.52	139	35638	2.938	ng/ul#	1
25) Bis(2-Chloroethoxy)methane	9.78	93	41744	1.154	ng/ul#	1
28) Naphthalene	10.42	128	1425498	17.872	ng/ul#	95
30) 4-Chloroaniline	10.56	127	48757	1.892	ng/ul	96
32) Caprolactam	11.24	113	36909	5.037	ng/ul#	1
34) 2-Methylnaphthalene	12.04	142	4911777	84.103	ng/ul	99
40) 1,1'-Biphenyl	13.06	154	403041	4.394	ng/ul	94
44) Dimethylphthalate	13.70	163	627010	7.041	ng/ul#	96
47) Acenaphthylene	13.96	152	182513	1.692	ng/ul#	19
49) Acenaphthene	14.30	153	113682	1.544	ng/ul#	79
52) 4-Nitrophenol	14.45	109	36446	2.845	ng/ul#	59
53) Dibenzofuran	14.64	168	144423	1.362	ng/ul#	14
54) 2,4-Dinitrotoluene	14.61	165	23749	1.071	ng/ul#	60
58) Fluorene	15.29	166	295728	3.574	ng/ul#	89
64) N-Nitrosodiphenylamine	15.52	169	214325	2.705	ng/ul#	43
69) Phenanthrene	17.03	178	639844	4.537	ng/ul#	94

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Response via : Initial Calibration

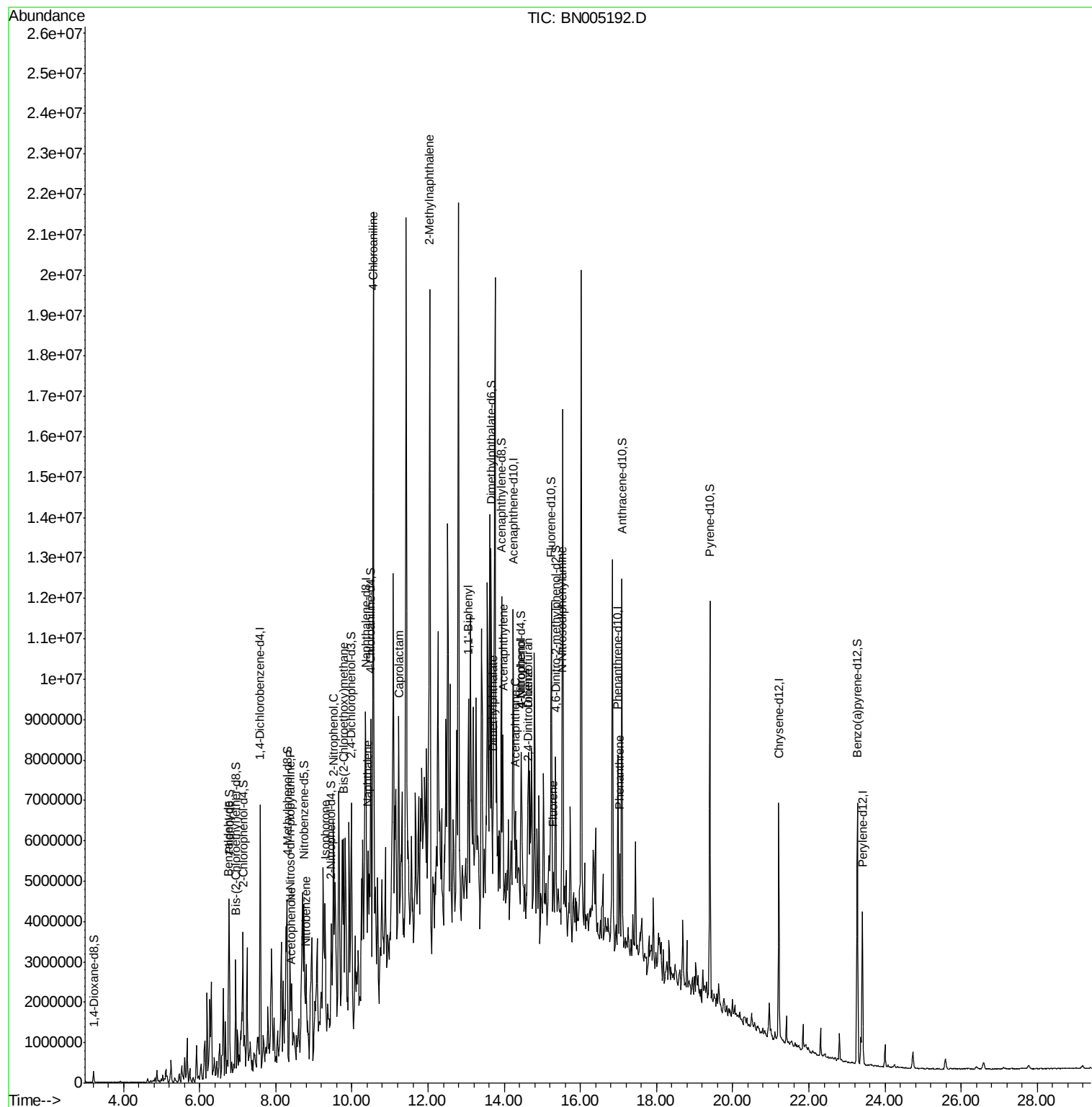
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

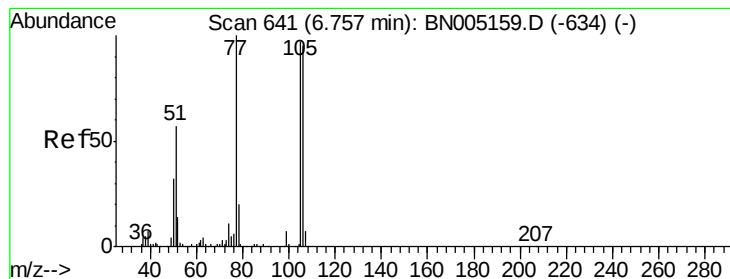
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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#4

Benzaldehyde

Concen: 1.214 ng/ul

RT: 6.76 min Scan# 642

Delta R.T. 0.01 min

Lab File: BN005192.D

Acq: 23 Apr 2019 01:37

Instrument :

BNA_N

ClientSampleId :

GAHR8

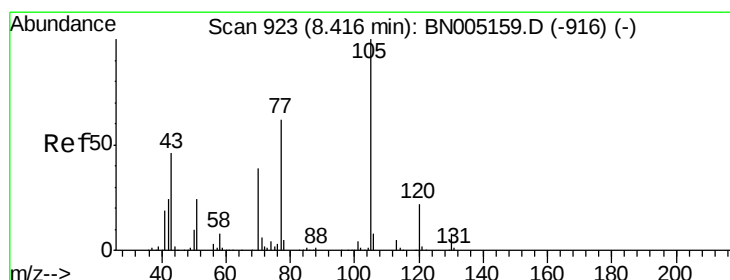
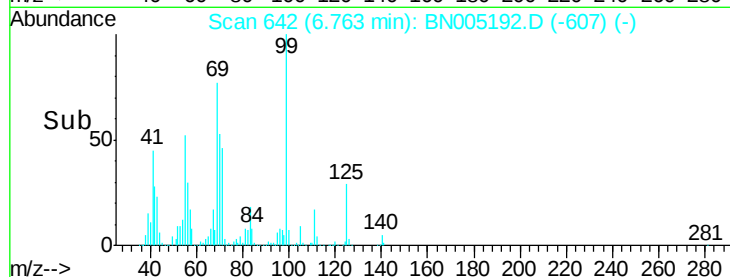
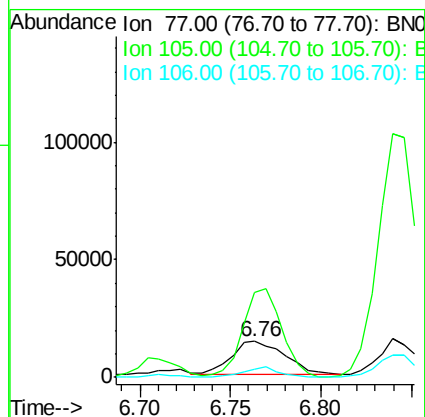
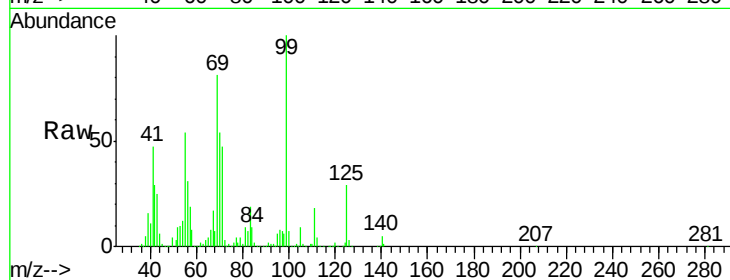
Tgt Ion: 77 Resp: 28716

Ion Ratio Lower Upper

77 100

105 236.7 77.4 116.2#

106 24.0 76.3 114.5#



#14

Acetophenone

Concen: 9.318 ng/ul

RT: 8.40 min Scan# 920

Delta R.T. -0.02 min

Lab File: BN005192.D

Acq: 23 Apr 2019 01:37

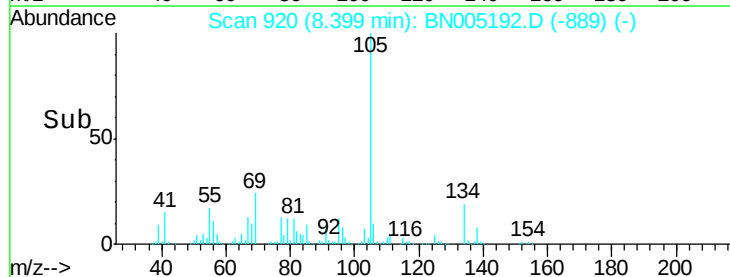
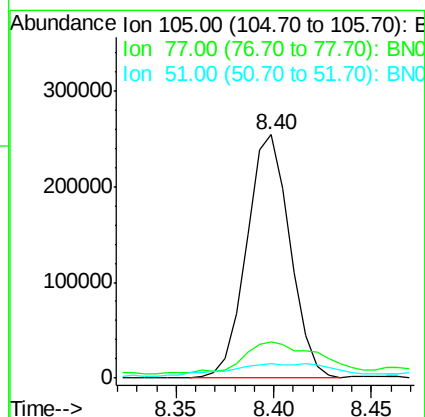
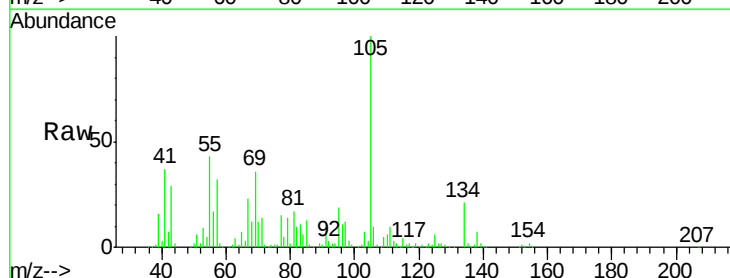
Tgt Ion: 105 Resp: 389033

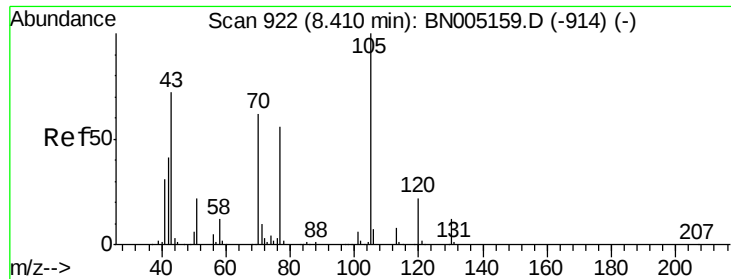
Ion Ratio Lower Upper

105 100

77 15.0 63.4 95.0#

51 6.1 24.2 36.4#

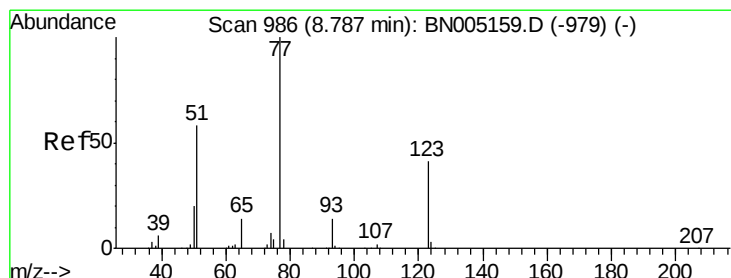
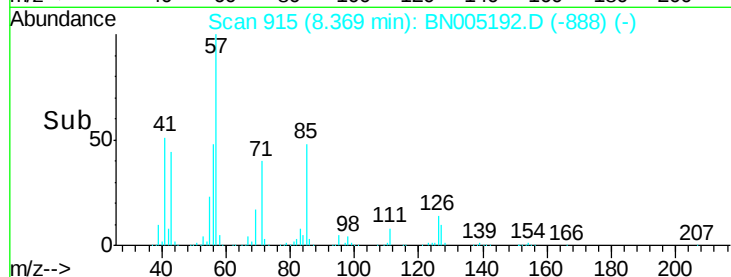
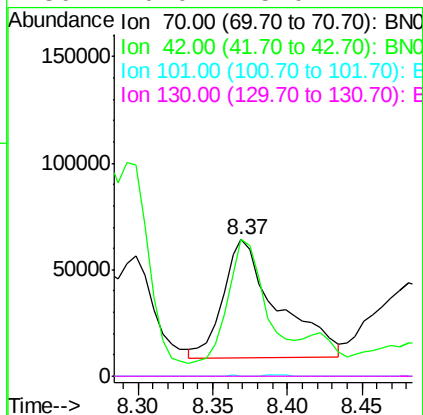
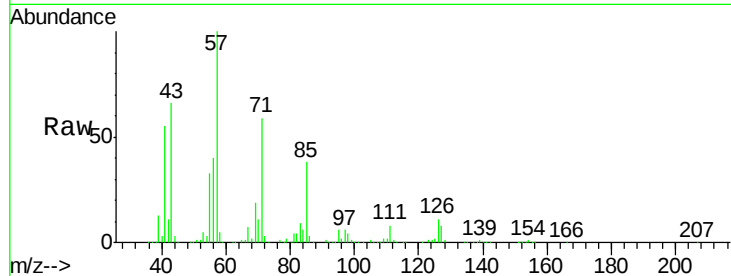




#15
N-Nitroso-di-n-propylamine
Concen: 6.363 ng/ul
RT: 8.37 min Scan# 915
Delta R.T. -0.04 min
Lab File: BN005192.D
Acq: 23 Apr 2019 01:37

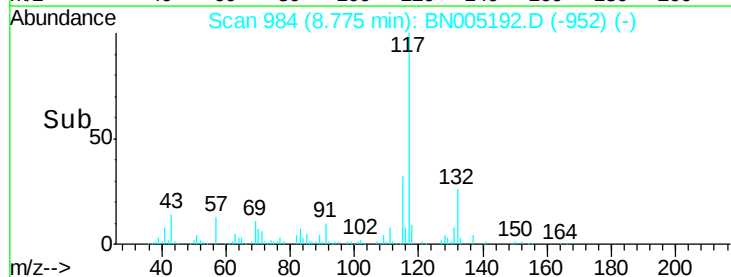
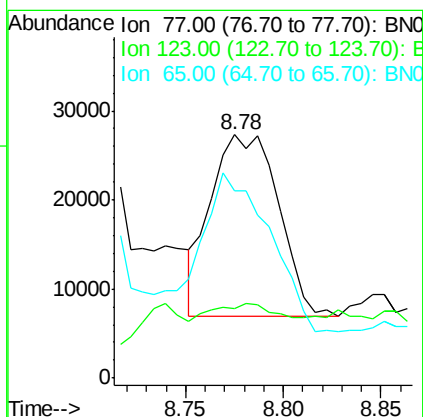
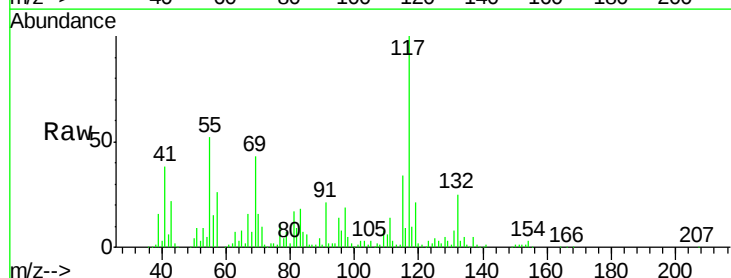
Instrument :
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ClientSampleId :
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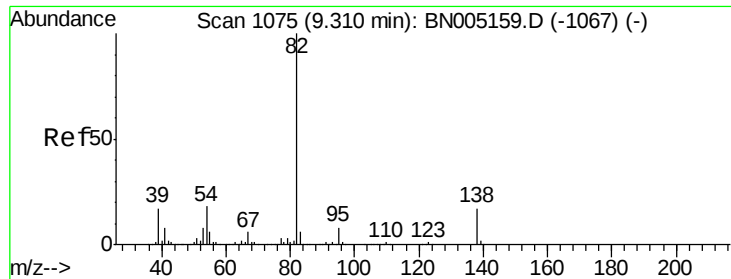
Tgt Ion: 70 Resp: 142110
Ion Ratio Lower Upper
70 100
42 99.9 53.8 80.8#
101 0.5 7.7 11.5#
130 0.0 15.0 22.4#



#20
Nitrobenzene
Concen: 1.689 ng/ul
RT: 8.78 min Scan# 984
Delta R.T. -0.01 min
Lab File: BN005192.D
Acq: 23 Apr 2019 01:37

Tgt Ion: 77 Resp: 49091
Ion Ratio Lower Upper
77 100
123 28.5 32.6 49.0#
65 76.8 11.6 17.4#





#21

Isophorone

Concen: 5.319 ng/ul

RT: 9.30 min Scan# 1073

Delta R.T. -0.01 min

Lab File: BN005192.D

Acq: 23 Apr 2019 01:37

Instrument :

BNA_N

ClientSampleId :

GAHR8

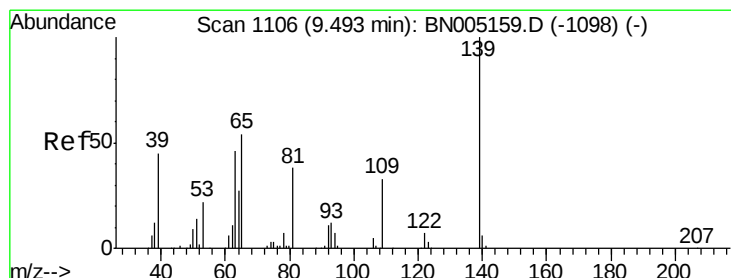
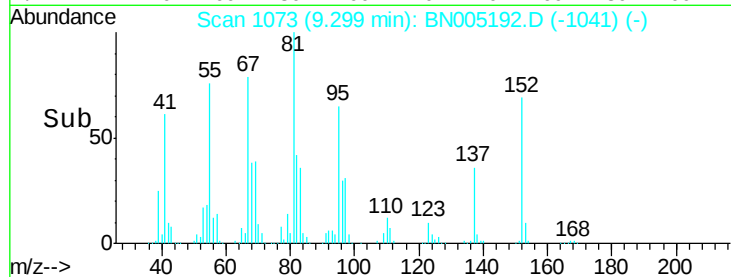
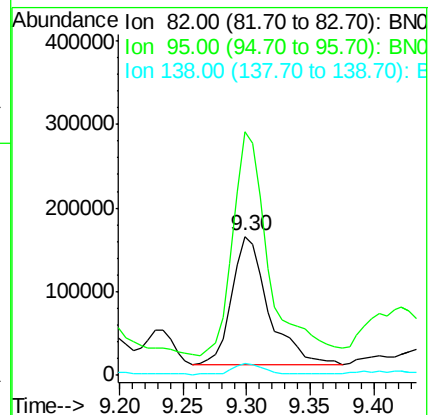
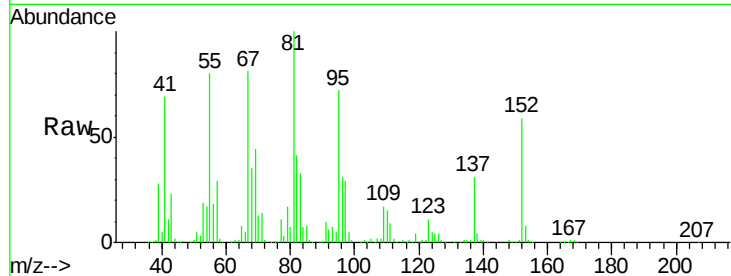
Tgt Ion: 82 Resp: 306045

Ion Ratio Lower Upper

82 100

95 175.4 6.2 9.2#

138 8.9 13.2 19.8#



#23

2-Nitrophenol

Concen: 2.938 ng/ul

RT: 9.52 min Scan# 1110

Delta R.T. 0.02 min

Lab File: BN005192.D

Acq: 23 Apr 2019 01:37

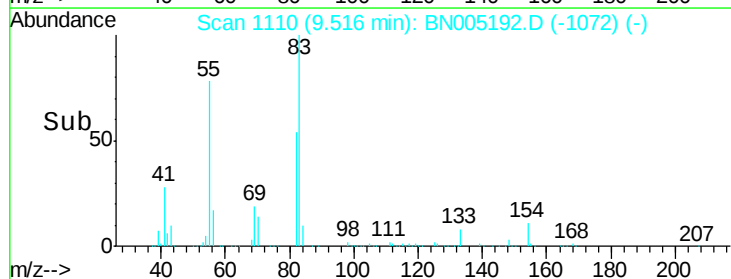
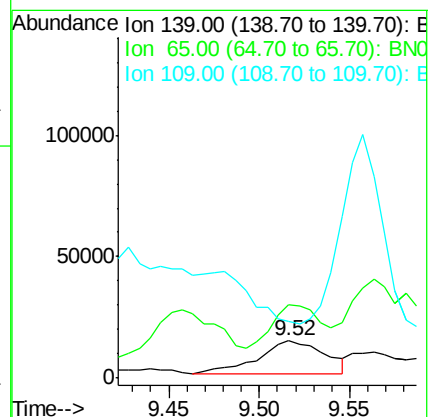
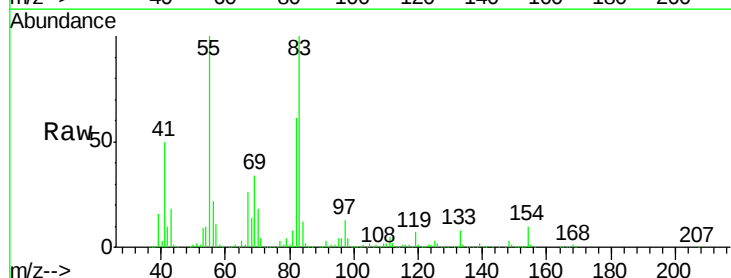
Tgt Ion: 139 Resp: 35638

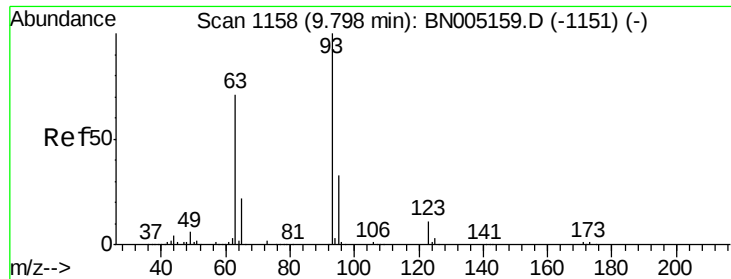
Ion Ratio Lower Upper

139 100

65 197.3 44.2 66.4#

109 154.4 26.8 40.2#

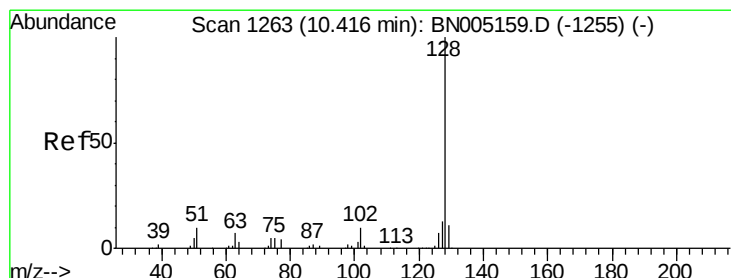
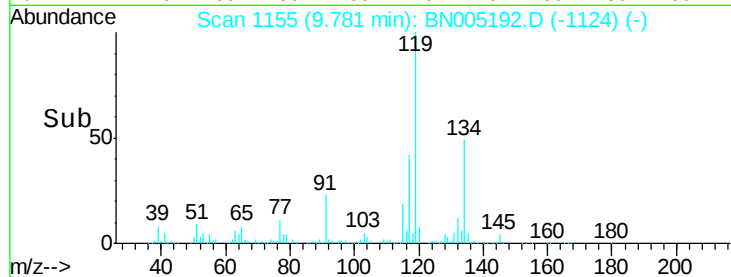
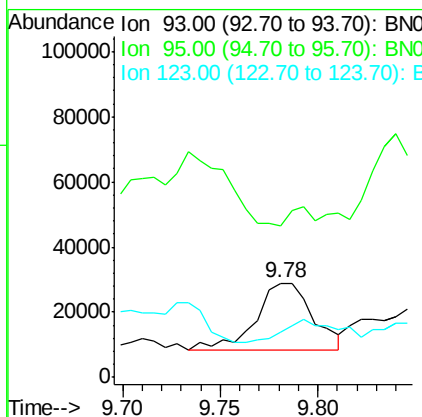
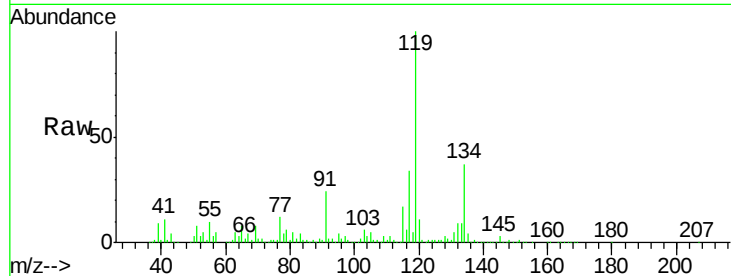




#25
 Bis(2-Chloroethoxy)methane
 Concen: 1.154 ng/ul
 RT: 9.78 min Scan# 1155
 Delta R.T. -0.02 min
 Lab File: BN005192.D
 Acq: 23 Apr 2019 01:37

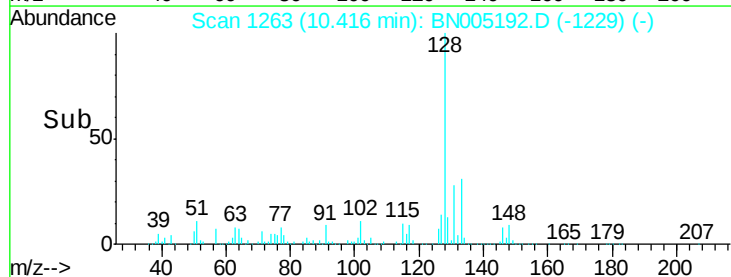
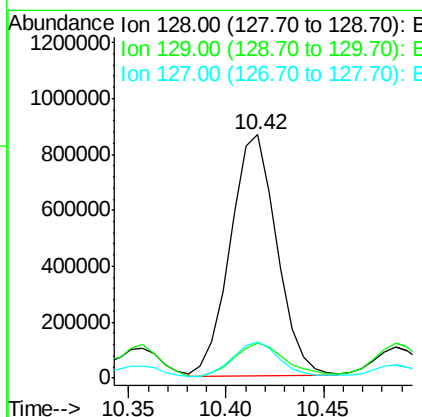
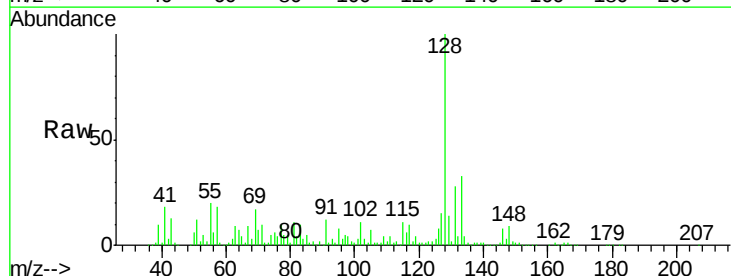
Instrument :
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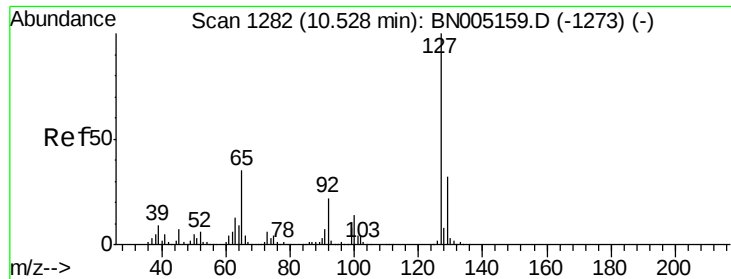
Tgt Ion: 93 Resp: 41744
 Ion Ratio Lower Upper
 93 100
 95 160.7 26.6 39.8#
 123 48.7 8.9 13.3#



#28
 Naphthalene
 Concen: 17.872 ng/ul
 RT: 10.42 min Scan# 1263
 Delta R.T. 0.00 min
 Lab File: BN005192.D
 Acq: 23 Apr 2019 01:37

Tgt Ion: 128 Resp: 1425498
 Ion Ratio Lower Upper
 128 100
 129 14.4 9.2 13.8#
 127 14.8 10.7 16.1

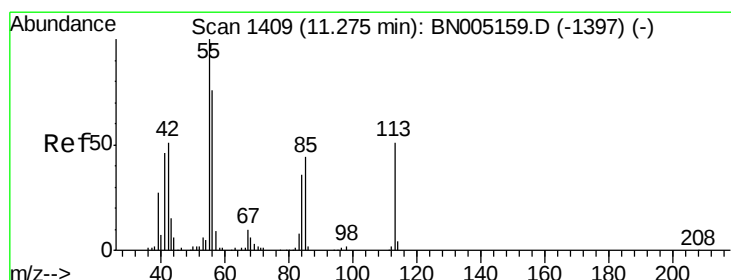
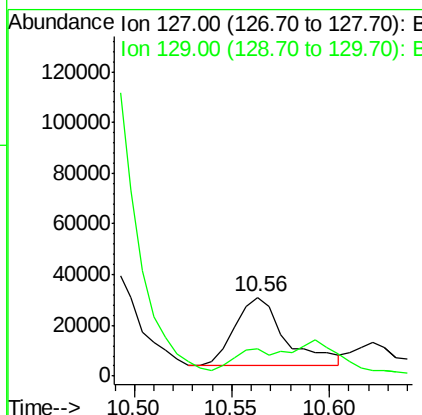
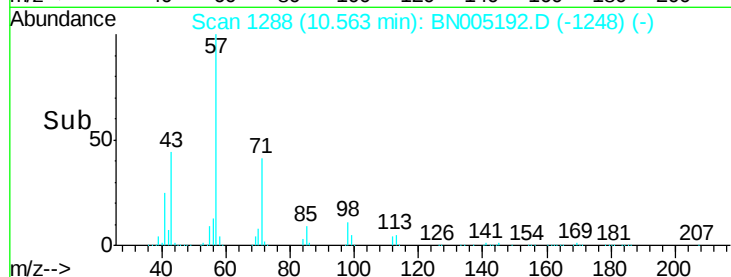
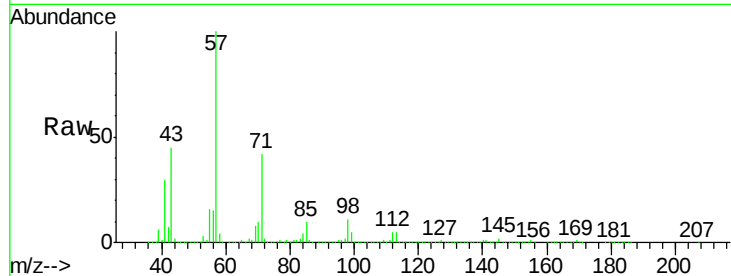




#30
4-Chloroaniline
Concen: 1.892 ng/ul
RT: 10.56 min Scan# 1288
Delta R.T. 0.04 min
Lab File: BN005192.D
Acq: 23 Apr 2019 01:37

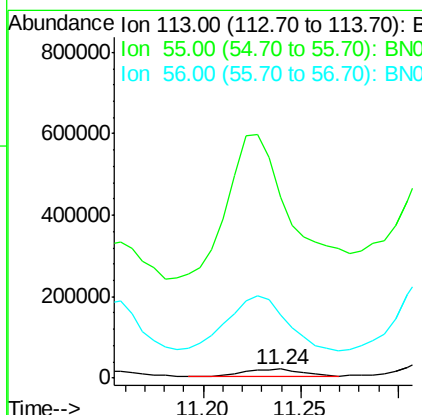
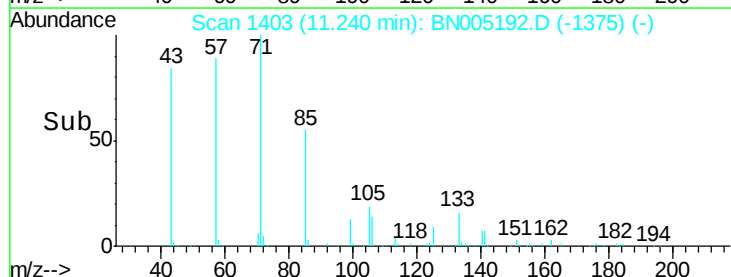
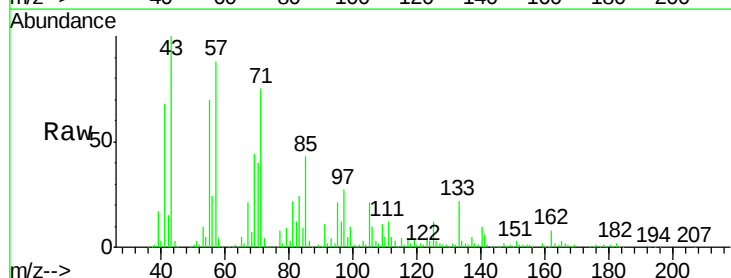
Instrument :
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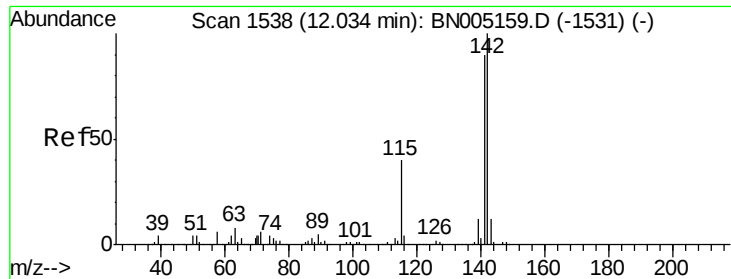
Tgt Ion:127 Resp: 48757
Ion Ratio Lower Upper
127 100
129 34.5 25.8 38.6



#32
Caprolactam
Concen: 5.037 ng/ul
RT: 11.24 min Scan# 1403
Delta R.T. -0.04 min
Lab File: BN005192.D
Acq: 23 Apr 2019 01:37

Tgt Ion:113 Resp: 36909
Ion Ratio Lower Upper
113 100
55 2030.8 157.0 235.4#
56 710.6 119.1 178.7#

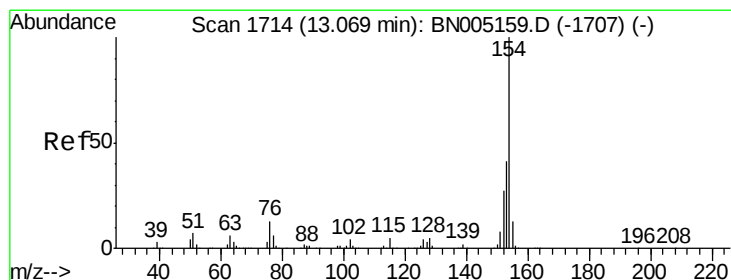
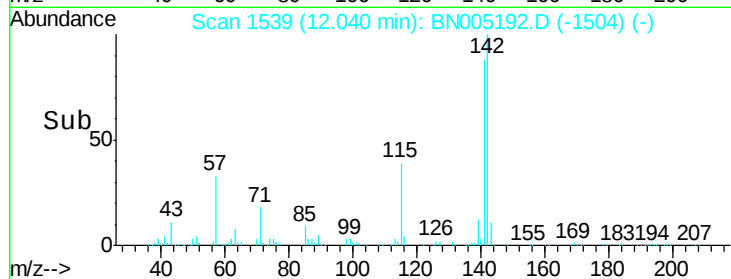
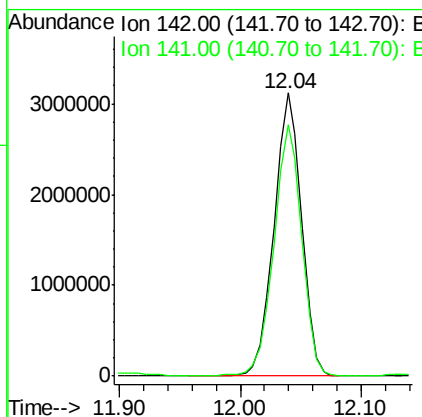
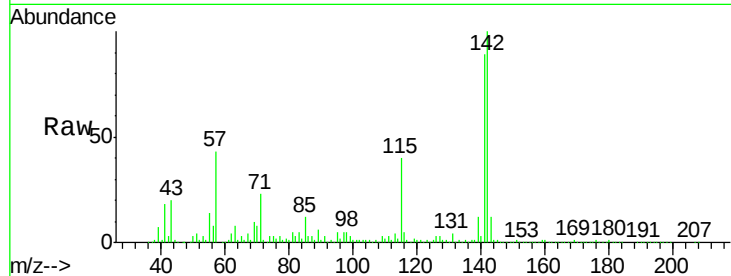




#34
 2-Methylnaphthalene
 Concen: 84.103 ng/ul
 RT: 12.04 min Scan# 1539
 Delta R.T. 0.01 min
 Lab File: BN005192.D
 Acq: 23 Apr 2019 01:37

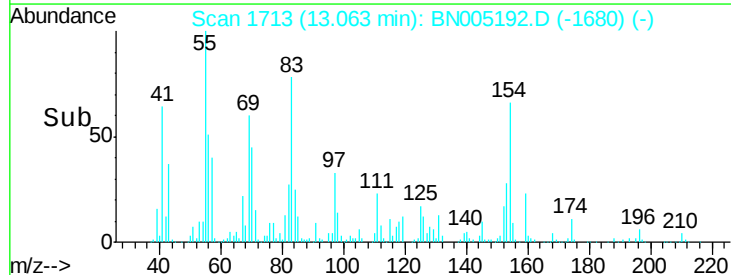
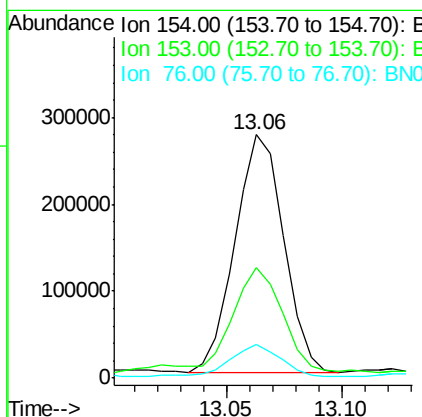
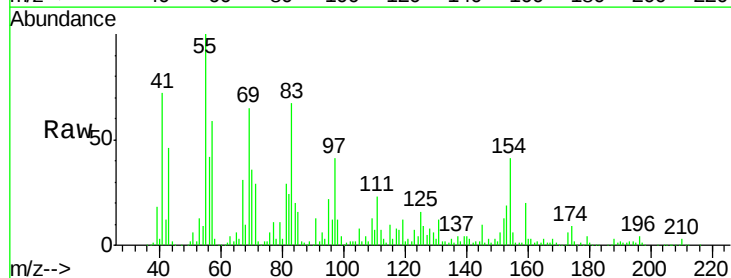
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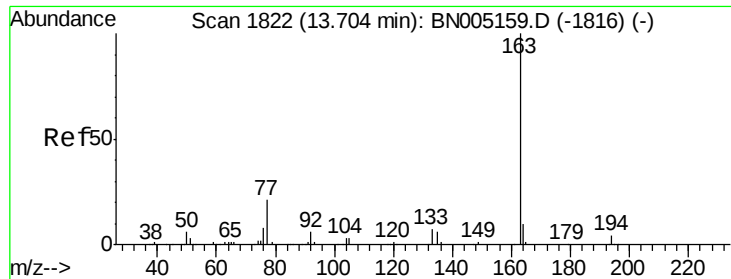
Tgt Ion:142 Resp: 4911777
 Ion Ratio Lower Upper
 142 100
 141 88.7 72.0 108.0



#40
 1,1'-Biphenyl
 Concen: 4.394 ng/ul
 RT: 13.06 min Scan# 1713
 Delta R.T. -0.01 min
 Lab File: BN005192.D
 Acq: 23 Apr 2019 01:37

Tgt Ion:154 Resp: 403041
 Ion Ratio Lower Upper
 154 100
 153 45.3 32.6 49.0
 76 13.8 10.4 15.6

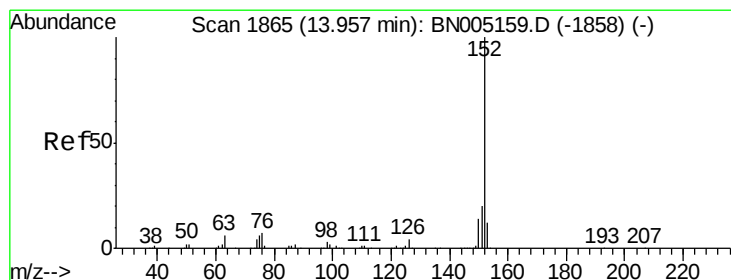
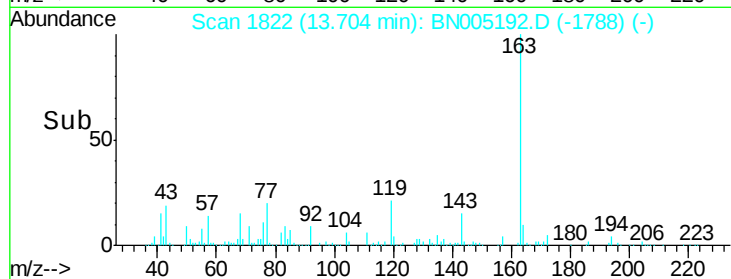
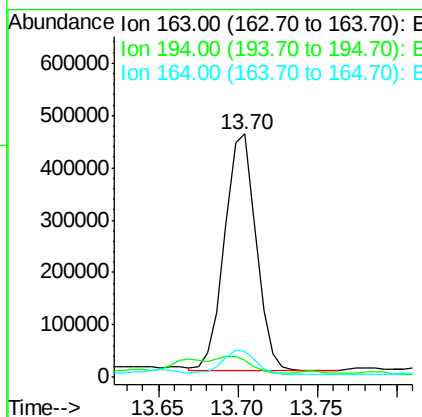
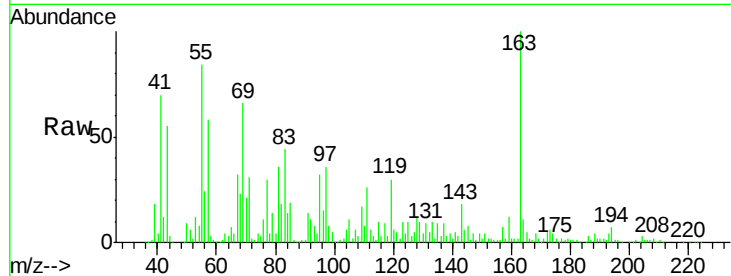




#44
 Dimethylphthalate
 Concen: 7.041 ng/ul
 RT: 13.70 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: BN005192.D
 Acq: 23 Apr 2019 01:37

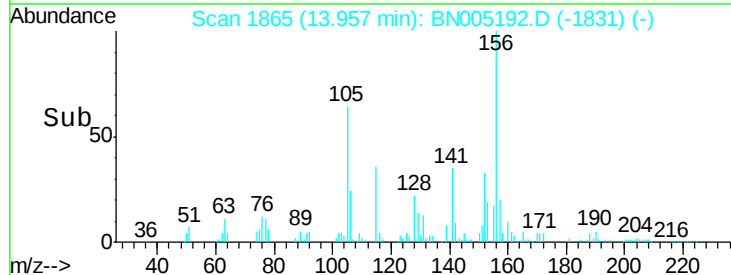
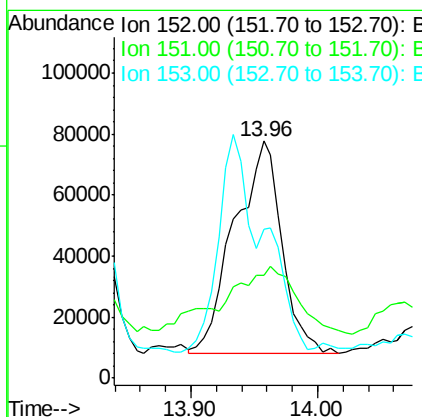
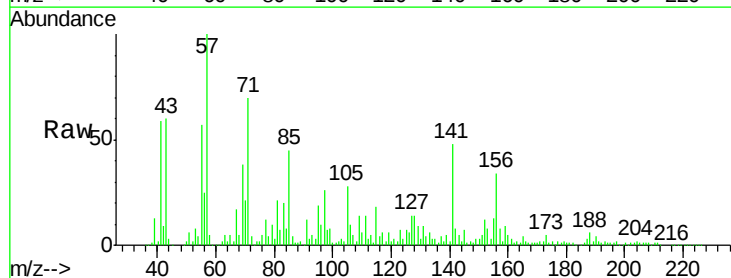
Instrument :
 BNA_N
 ClientSampleId :
 GAHR8

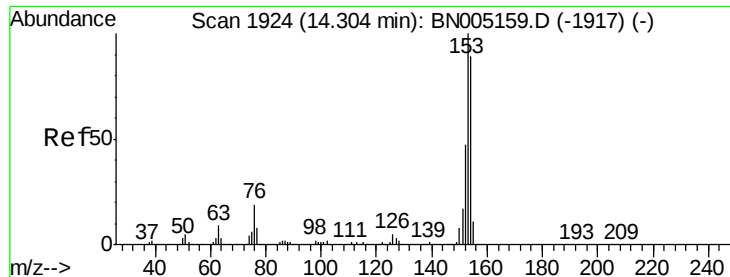
Tgt Ion:163 Resp: 627010
 Ion Ratio Lower Upper
 163 100
 194 7.0 3.4 5.0#
 164 10.7 8.1 12.1



#47
 Acenaphthylene
 Concen: 1.692 ng/ul
 RT: 13.96 min Scan# 1865
 Delta R.T. 0.00 min
 Lab File: BN005192.D
 Acq: 23 Apr 2019 01:37

Tgt Ion:152 Resp: 182513
 Ion Ratio Lower Upper
 152 100
 151 43.3 15.8 23.8#
 153 62.9 9.8 14.8#





#49

Acenaphthene

Concen: 1.544 ng/ul

RT: 14.30 min Scan# 1923

Delta R.T. -0.01 min

Lab File: BN005192.D

Acq: 23 Apr 2019 01:37

Instrument :

BNA_N

ClientSampleId :

GAHR8

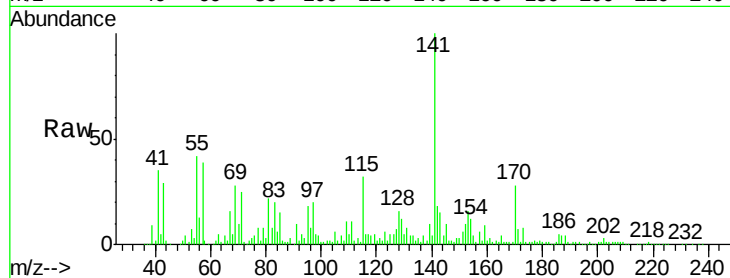
Tgt Ion:153 Resp: 113682

Ion Ratio Lower Upper

153 100

152 67.4 37.4 56.0#

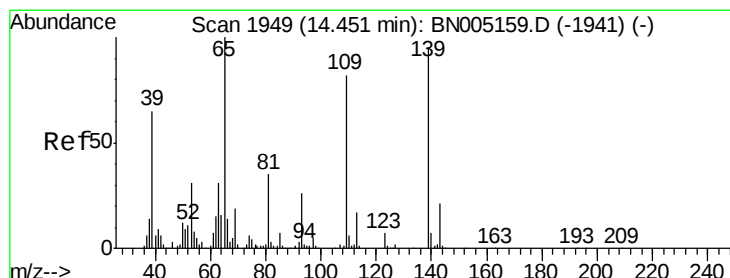
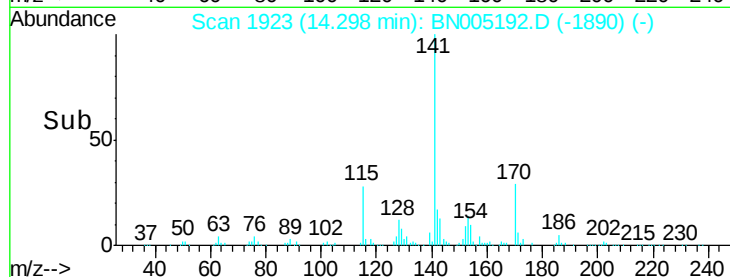
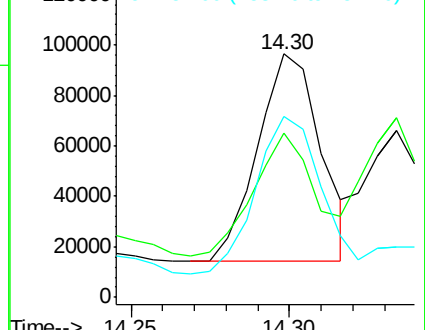
154 74.3 71.2 106.8



Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#52

4-Nitrophenol

Concen: 2.845 ng/ul

RT: 14.45 min Scan# 1949

Delta R.T. 0.00 min

Lab File: BN005192.D

Acq: 23 Apr 2019 01:37

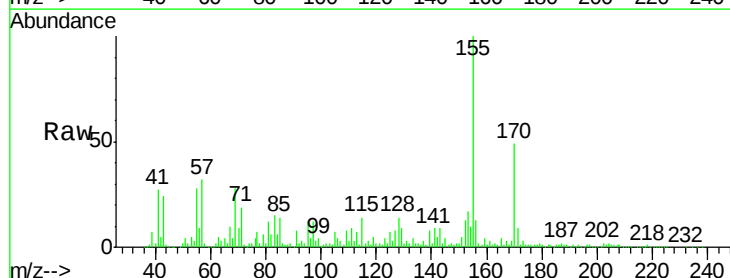
Tgt Ion:109 Resp: 36446

Ion Ratio Lower Upper

109 100

139 99.1 92.3 138.5

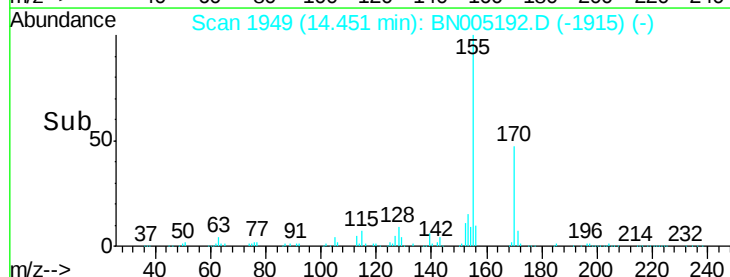
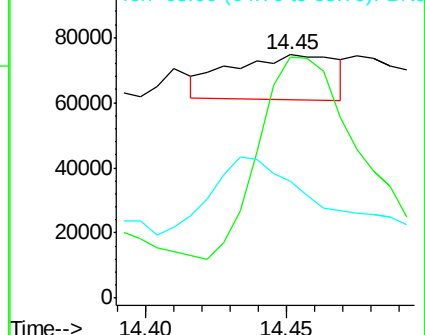
65 48.0 97.5 146.3#

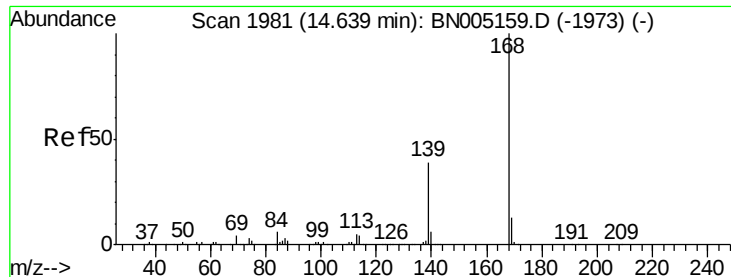


Abundance Ion 109.00 (108.70 to 109.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 65.00 (64.70 to 65.70): BNC





#53

Dibenzofuran

Concen: 1.362 ng/ul

RT: 14.64 min Scan# 1981

Delta R.T. 0.00 min

Lab File: BN005192.D

Acq: 23 Apr 2019 01:37

Instrument :

BNA_N

ClientSampleId :

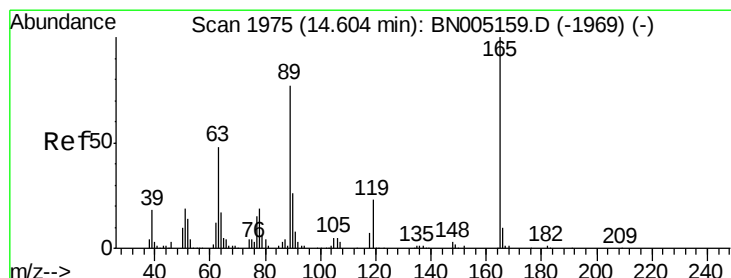
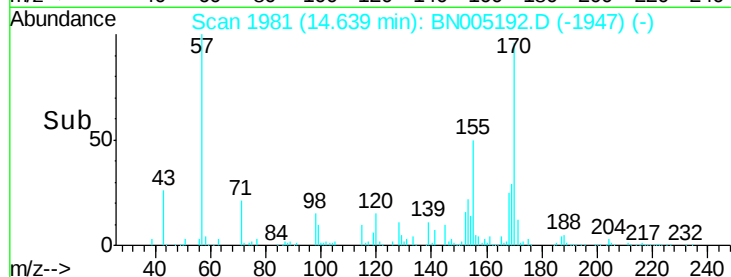
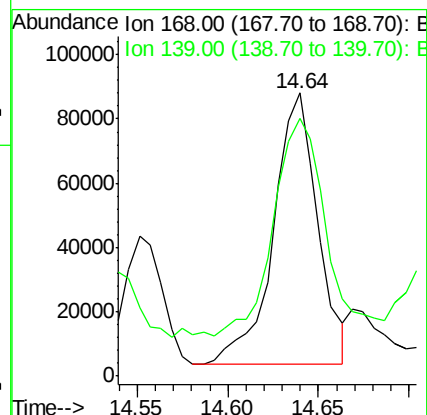
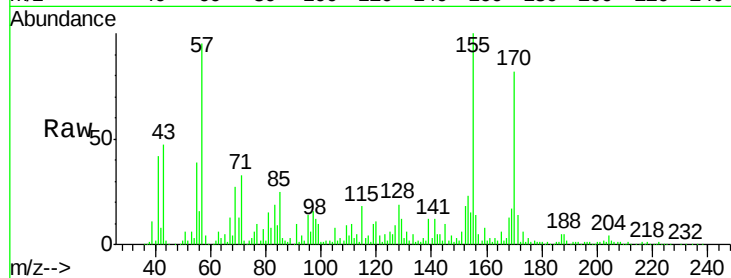
GAHR8

Tgt Ion:168 Resp: 144423

Ion Ratio Lower Upper

168 100

139 91.0 30.9 46.3#



#54

2,4-Dinitrotoluene

Concen: 1.071 ng/ul

RT: 14.61 min Scan# 1976

Delta R.T. 0.01 min

Lab File: BN005192.D

Acq: 23 Apr 2019 01:37

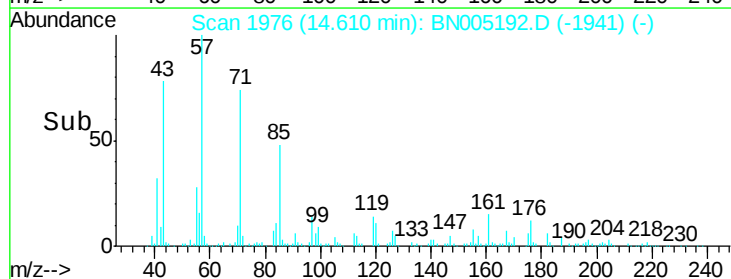
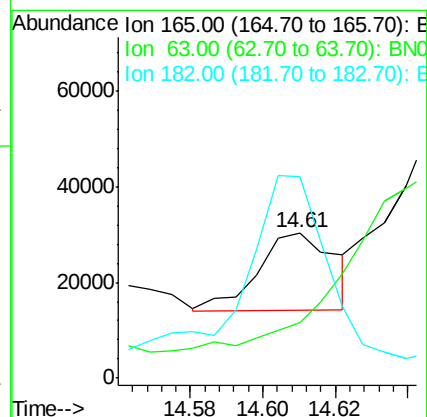
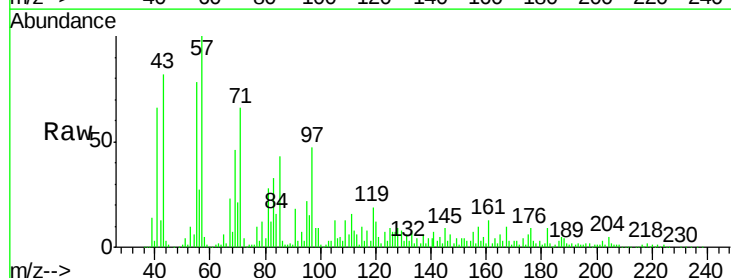
Tgt Ion:165 Resp: 23749

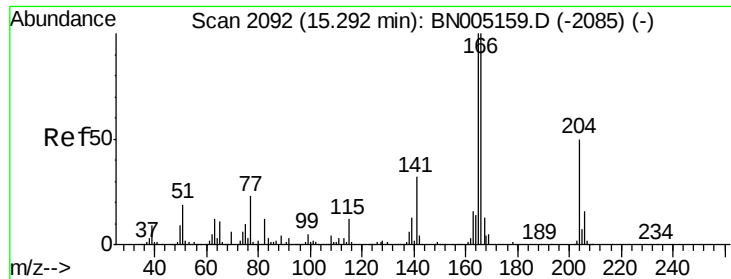
Ion Ratio Lower Upper

165 100

63 38.2 38.9 58.3#

182 138.3 2.6 3.8#





#58

Fluorene

Concen: 3.574 ng/ul

RT: 15.29 min Scan# 2092

Delta R.T. 0.00 min

Lab File: BN005192.D

Acq: 23 Apr 2019 01:37

Instrument :

BNA_N

ClientSampleId :

GAHR8

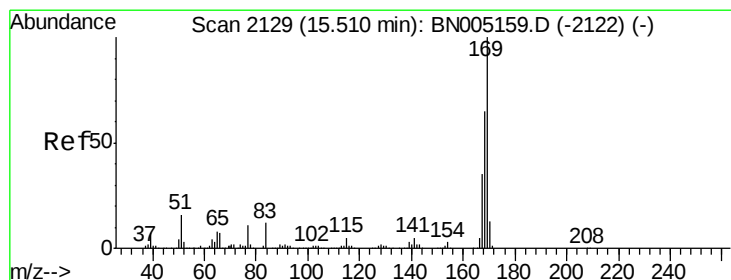
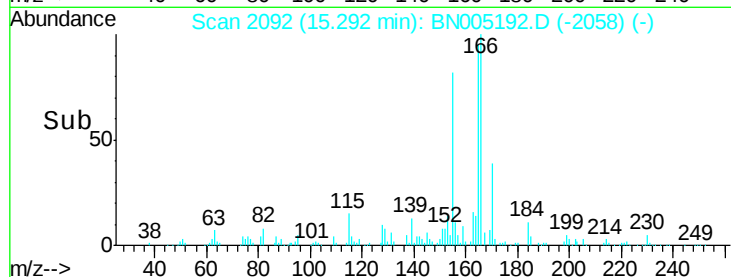
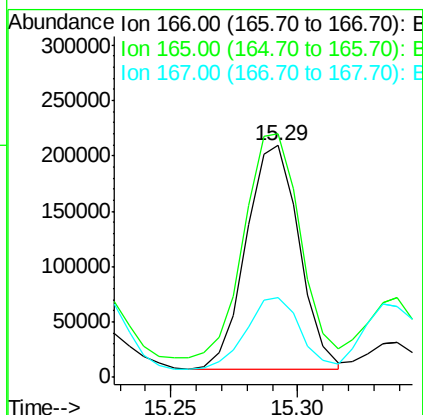
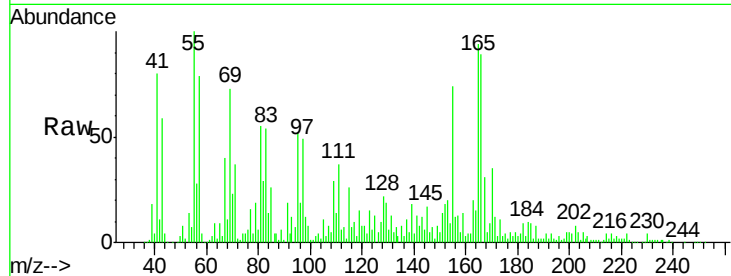
Tgt Ion:166 Resp: 295728

Ion Ratio Lower Upper

166 100

165 105.0 80.0 120.0

167 34.4 10.7 16.1#



#64

N-Nitrosodiphenylamine

Concen: 2.705 ng/ul

RT: 15.52 min Scan# 2130

Delta R.T. 0.01 min

Lab File: BN005192.D

Acq: 23 Apr 2019 01:37

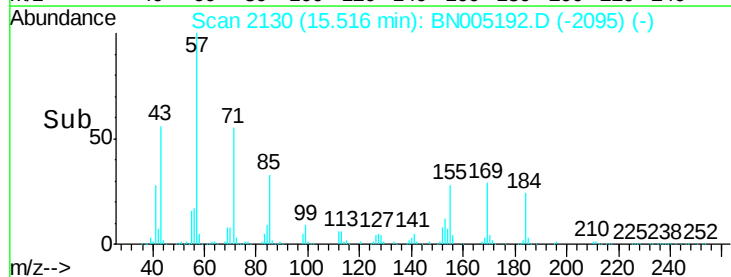
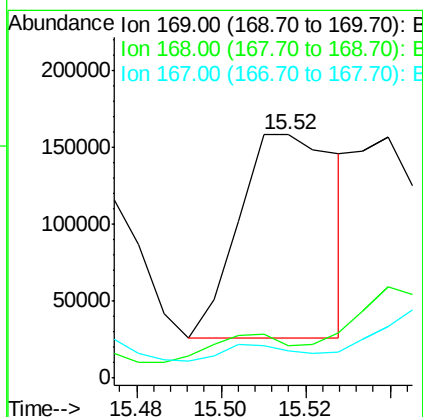
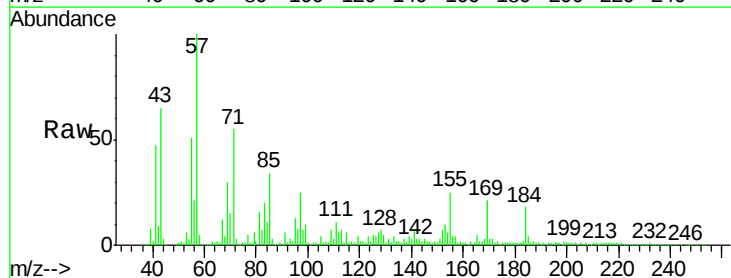
Tgt Ion:169 Resp: 214325

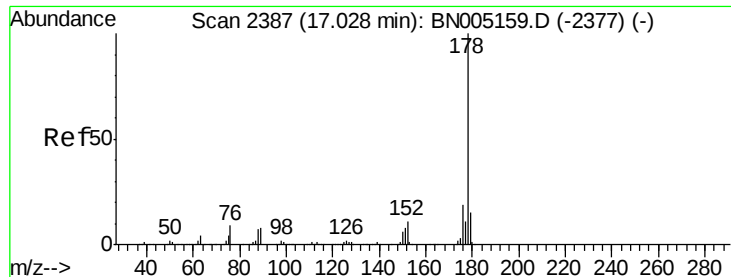
Ion Ratio Lower Upper

169 100

168 13.4 52.2 78.2#

167 11.2 27.7 41.5#





#69

Phenanthrene

Concen: 4.537 ng/ul

RT: 17.03 min Scan# 2387

Delta R.T. 0.00 min

Lab File: BN005192.D

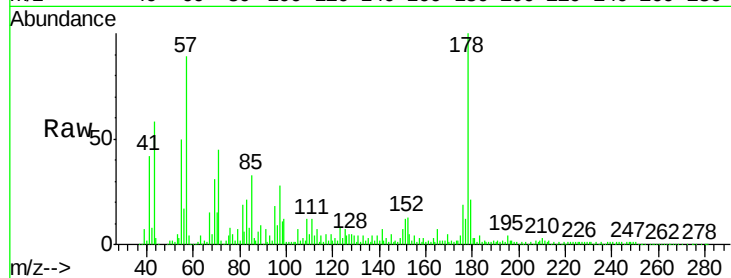
Acq: 23 Apr 2019 01:37

Instrument :

BNA_N

ClientSampleId :

GAHR8



Tgt Ion:	178	Resp:	639844
Ion	Ratio	Lower	Upper
178	100		
179	20.7	12.2	18.4#
176	19.1	15.1	22.7

