

Data Path : Z:\HPCHEM1\BNA N\DATA\BN032018\
 Data File : BN000491.D
 Acq On : 20 Mar 2018 14:27
 Operator : JU/SJ
 Sample : J1905-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Mar 20 23:34:50 2018
 Quant Method : Z:\HPCHEM1\BNA N\METHODS\SOM-EPA-BN031918.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Mar 20 23:34:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.42	152	264078	20.00	ng/ul	0.00
18) Naphthalene-d8	11.25	136	1160258	20.00	ng/ul	0.00
35) Acenaphthene-d10	15.04	164	581520	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.76	188	1051803	20.00	ng/ul	0.00
75) Chrysene-d12	21.88	240	811462	20.00	ng/ul	-0.01
83) Perylene-d12	24.37	264	755486	20.00	ng/ul	-0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.59	96	43945	5.94	ng/uL	0.00
5) Phenol-d5	7.55	99	836321	33.94	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.72	67	495570	34.87	ng/ul	0.00
9) 2-Chlorophenol-d4	7.94	132	615657	33.05	ng/ul	0.00
13) 4-Methylphenol-d8	9.12	113	682912	35.59	ng/ul	0.00
19) Nitrobenzene-d5	9.60	128	315175	33.45	ng/ul	0.00
22) 2-Nitrophenol-d4	10.32	143	333379	34.15	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.87	165	571531	32.66	ng/ul	0.00
29) 4-Chloroaniline-d4	11.38	131	889113	49.50	ng/ul	0.00
43) Dimethylphthalate-d6	14.42	166	1565431	34.07	ng/ul	0.00
46) Acenaphthylene-d8	14.74	160	2083515	34.38	ng/ul	0.00
51) 4-Nitrophenol-d4	15.21	143	299132	35.07	ng/ul	0.00
57) Fluorene-d10	16.02	176	1302599	33.27	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	16.14	200	231398	38.41	ng/ul	0.00
70) Anthracene-d10	17.86	188	1759165	34.80	ng/ul	0.00
76) Pyrene-d10	20.11	212	1684305	37.60	ng/ul	0.00
87) Benzo(a)pyrene-d12	24.21	264	1363081	38.23	ng/ul	-0.01

Target Compounds

					Ovalue	
8) Bis(2-Chloroethyl)ether	7.82	93	408385	20.475	ng/ul	94
12) 2,2'-oxybis(1-Chloropropan	8.94	45	361500	16.817	ng/ul	94
16) 4-Methylphenol	9.18	108	977216	49.515	ng/ul	94
17) Hexachloroethane	9.52	117	467422	58.901	ng/ul#	72
20) Nitrobenzene	9.64	77	453684	19.504	ng/ul	94
23) 2-Nitrophenol	10.36	139	421120	40.110	ng/ul	91
24) 2,4-Dimethylphenol	10.40	107	617776	27.315	ng/ul	95
25) Bis(2-Chloroethoxy)methane	10.64	93	520394	18.581	ng/ul	97
27) 2,4-Dichlorophenol	10.90	162	448531	26.410	ng/ul#	94
30) 4-Chloroaniline	11.41	127	1451385	79.607	ng/ul	98
34) 2-Methylnaphthalene	12.89	142	1067636	26.245	ng/ul	100
37) Hexachlorocyclopentadiene	13.22	237	469323	51.518	ng/ul	98
38) 2,4,6-Trichlorophenol	13.48	196	230272	19.431	ng/ul	99
39) 2,4,5-Trichlorophenol	13.48	196	192471	15.576	ng/ul	98
41) 2-Chloronaphthalene	13.92	162	605366	15.864	ng/ul	96
42) 2-Nitroaniline	14.12	65	764023	66.080	ng/ul	96
44) Dimethylphthalate	14.47	163	1435788	31.595	ng/ul	98
45) 2,6-Dinitrotoluene	14.60	165	147235	16.078	ng/ul	90
48) 3-Nitroaniline	14.94	138	676455	76.510	ng/ul#	93
50) 2,4-Dinitrophenol	15.14	184	306661	70.981	ng/ul#	81
52) 4-Nitrophenol	15.23	109	430031	65.232	ng/ul	85
59) 4-Chlorophenyl-phenylether	16.05	204	322181	15.958	ng/ul#	87
60) 4-Nitroaniline	16.09	138	429106	43.200	ng/ul	90

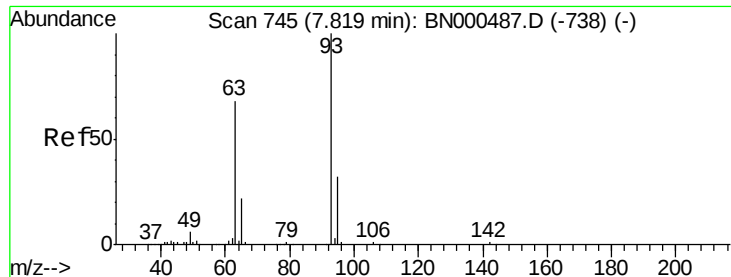
Data Path : Z:\HPCHEM1\BNA N\DATA\BN032018\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
63) 4,6-Dinitro-2-methylphenol	16.15	198	416726	65.529	ng/ul#	88
65) 4-Bromophenyl-phenylether	16.94	248	685737	63.963	ng/ul#	86
79) 3,3'-Dichlorobenzidine	21.78	252	476166	30.036	ng/ul#	94

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

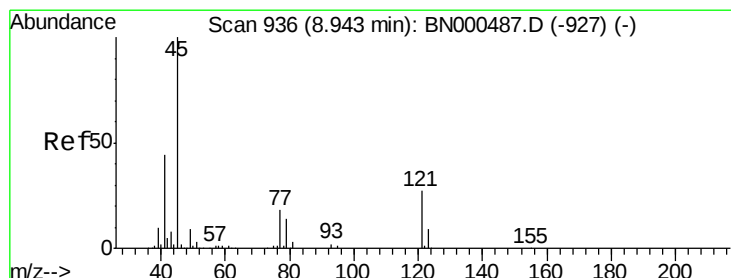
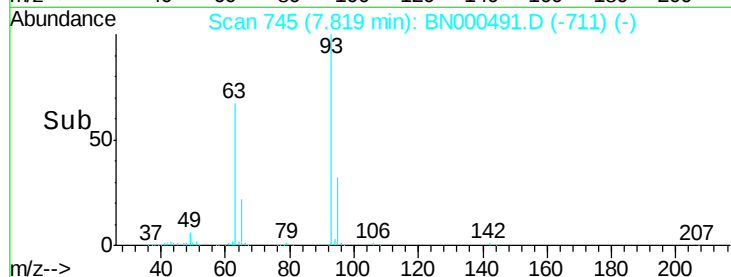
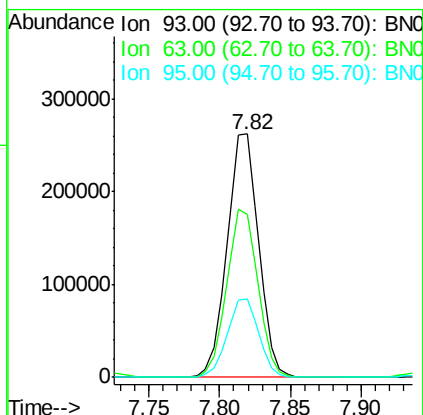
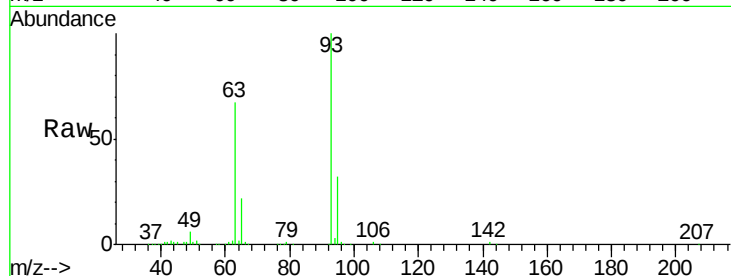


#8

Bis(2-Chloroethyl)ether
 Concen: 20.475 ng/ul
 RT: 7.82 min Scan# 745
 Delta R.T. -0.00 min
 Lab File: BN000491.D
 Acq: 20 Mar 2018 14:27

Instrument :
 BNA_N
 ClientSampleId :

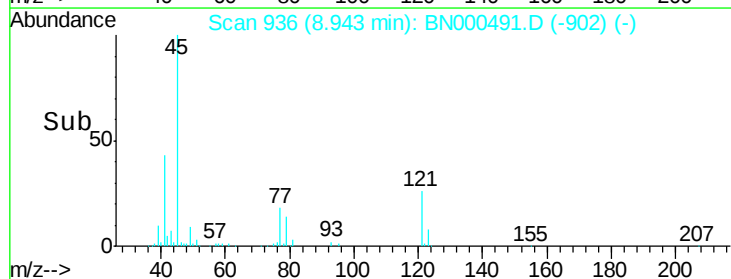
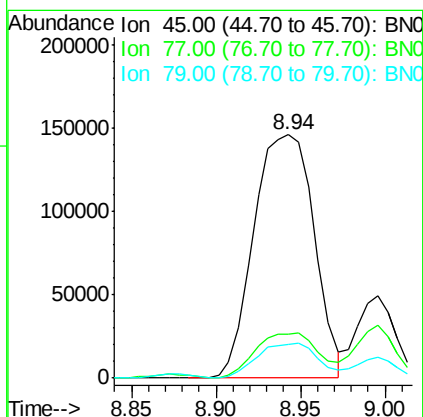
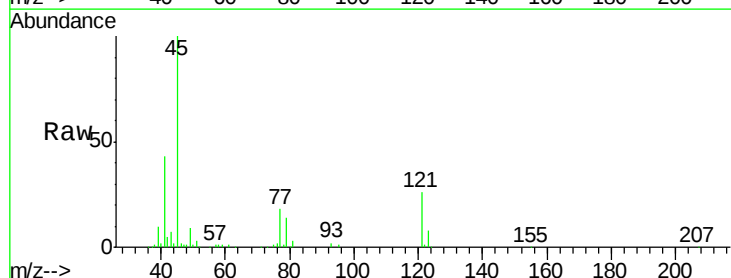
Tot Ion	93	Resp	408385
Ion	Ratio	Lower	Upper
93	100		
63	67.0	59.4	89.2
95	32.0	26.4	39.6

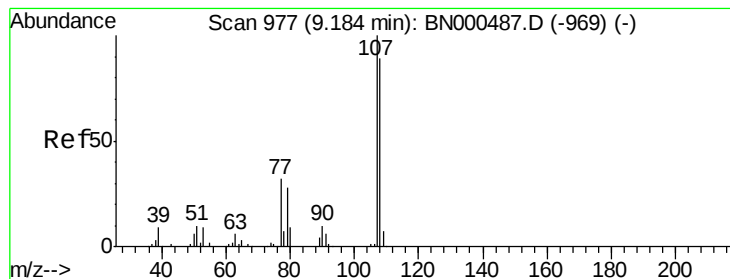


#12

2,2'-oxybis(1-Chloropropane)
 Concen: 16.817 ng/ul
 RT: 8.94 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: BN000491.D
 Acq: 20 Mar 2018 14:27

Tgt Ion	45	Resp	361500
Ion	Ratio	Lower	Upper
45	100		
77	18.0	12.5	18.7
79	13.9	9.4	14.2





#16

4-Methylphenol

Concen: 49.515 ng/ul

RT: 9.18 min Scan# 977

Delta R.T. -0.00 min

Lab File: BN000491.D

Acq: 20 Mar 2018 14:27

Instrument :

BNA_N

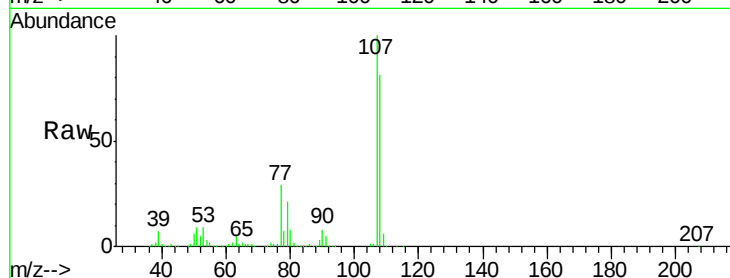
ClientSampleId :

Tot Ion:108 Resp: 977216

Ion Ratio Lower Upper

108 100

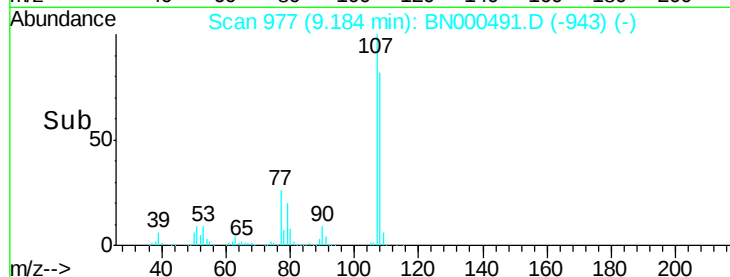
107 123.5 93.6 140.4



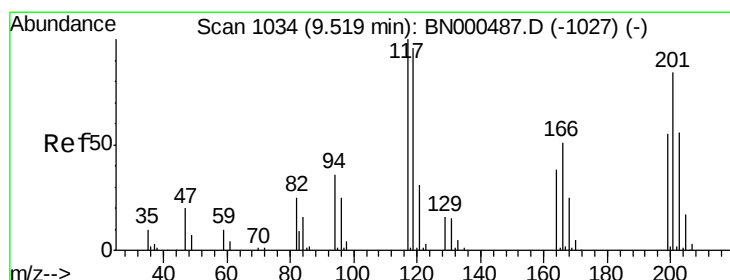
Abundance Ion 108.00 (107.70 to 108.70): E

Ion 107.00 (106.70 to 107.70): E

9.18



Time-->



#17

Hexachloroethane

Concen: 58.901 ng/ul

RT: 9.52 min Scan# 1034

Delta R.T. -0.00 min

Lab File: BN000491.D

Acq: 20 Mar 2018 14:27

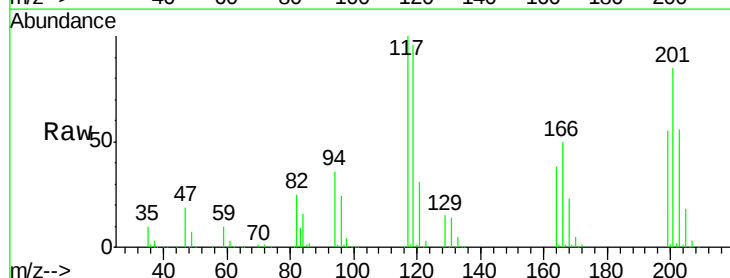
Tgt Ion:117 Resp: 467422

Ion Ratio Lower Upper

117 100

201 85.0 96.1 144.1#

199 54.7 59.7 89.5#

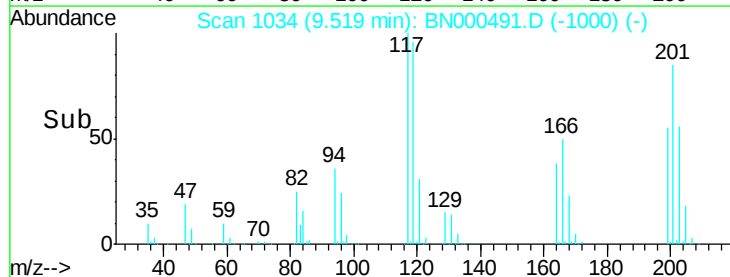


Abundance Ion 117.00 (116.70 to 117.70): E

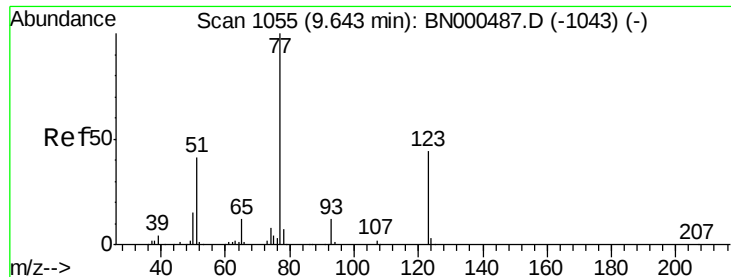
Ion 201.00 (200.70 to 201.70): E

Ion 199.00 (198.70 to 199.70): E

9.52



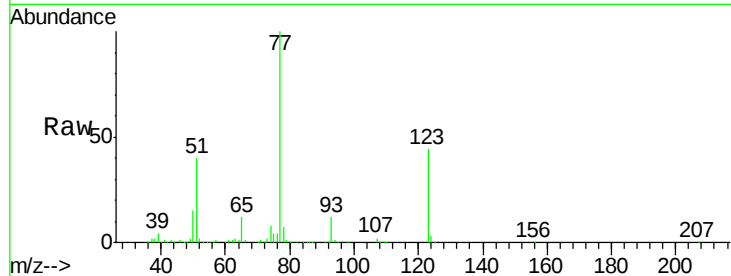
Time-->



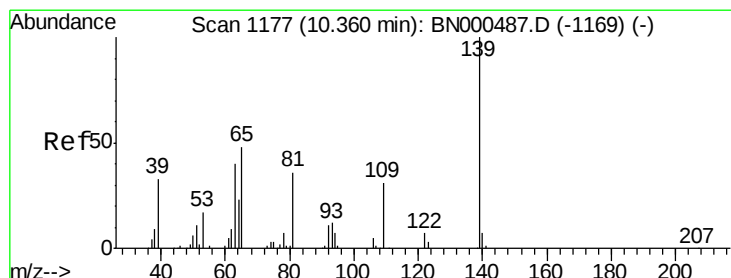
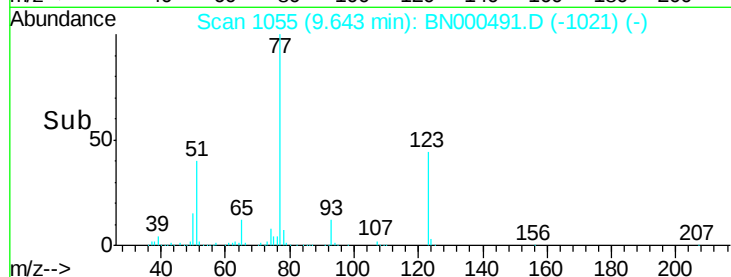
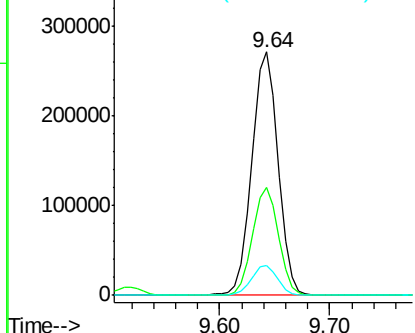
#20
Nitrobenzene
Concen: 19.504 ng/ul
RT: 9.64 min Scan# 1055
Delta R.T. -0.00 min
Lab File: BN000491.D
Acq: 20 Mar 2018 14:27

Instrument :
BNA_N
ClientSampleId :

Tot Ion: 77 Resp: 453684
Ion Ratio Lower Upper
77 100
123 44.4 31.8 47.8
65 12.3 10.6 16.0

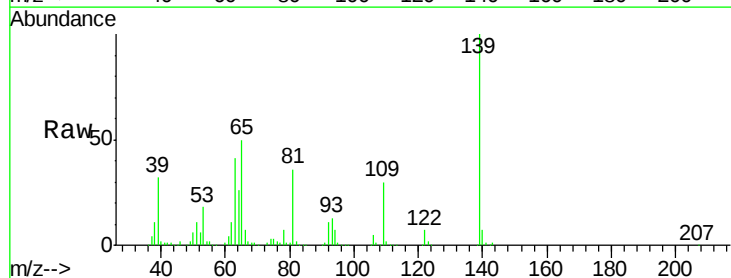


Abundance Ion 77.00 (76.70 to 77.70): BNC
Ion 123.00 (122.70 to 123.70): BNC
Ion 65.00 (64.70 to 65.70): BNC

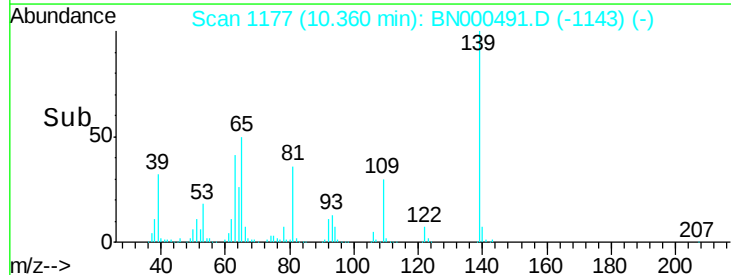
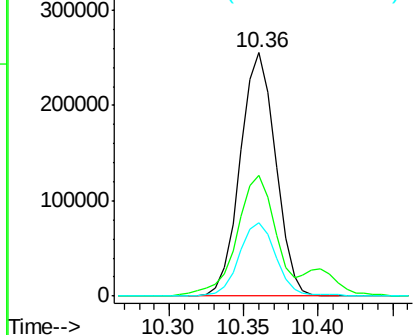


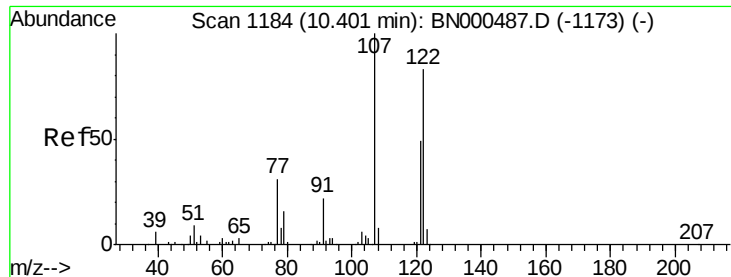
#23
2-Nitrophenol
Concen: 40.110 ng/ul
RT: 10.36 min Scan# 1177
Delta R.T. -0.00 min
Lab File: BN000491.D
Acq: 20 Mar 2018 14:27

Tgt Ion: 139 Resp: 421120
Ion Ratio Lower Upper
139 100
65 49.8 45.3 67.9
109 30.0 27.7 41.5



Abundance Ion 139.00 (138.70 to 139.70): BNC
Ion 65.00 (64.70 to 65.70): BNC
Ion 109.00 (108.70 to 109.70): BNC

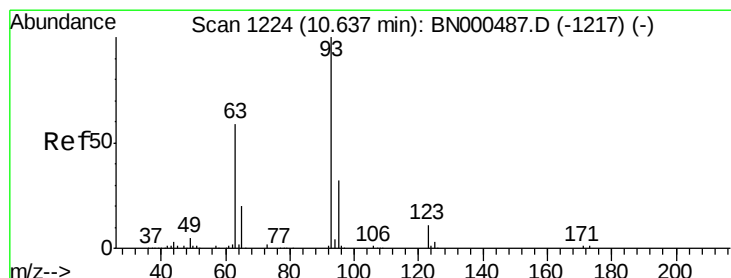
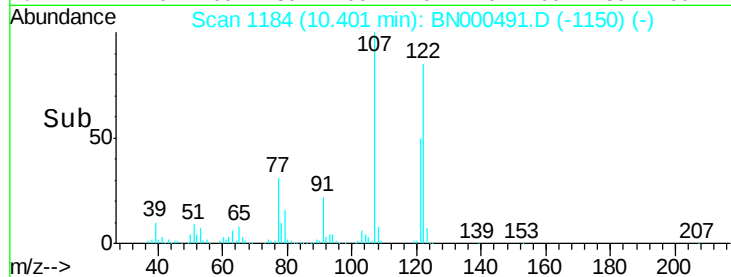
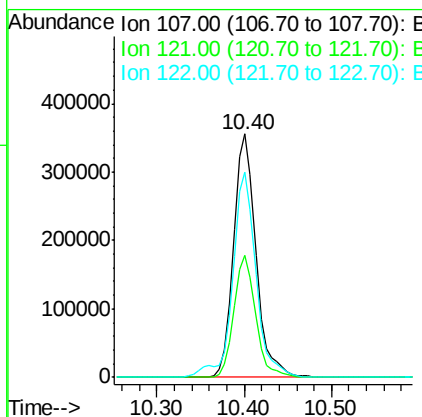
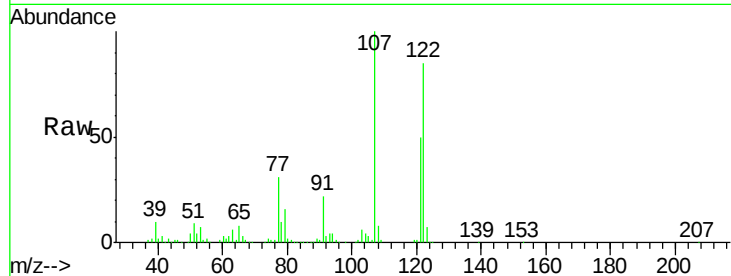




#24
 2,4-Dimethylphenol
 Concen: 27.315 ng/ul
 RT: 10.40 min Scan# 1184
 Delta R.T. -0.00 min
 Lab File: BN000491.D
 Acq: 20 Mar 2018 14:27

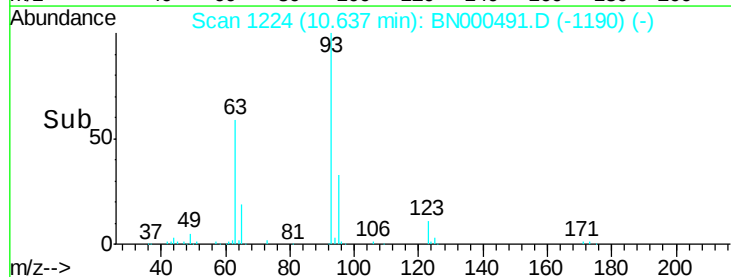
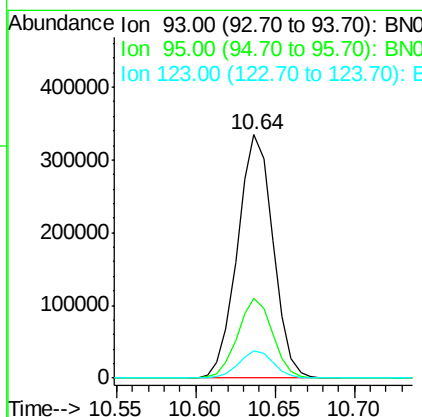
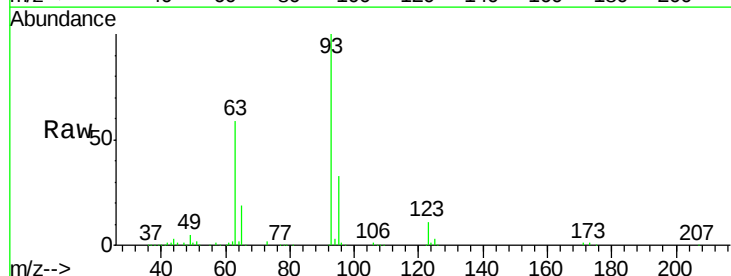
Instrument :
 BNA_N
 ClientSampleId :

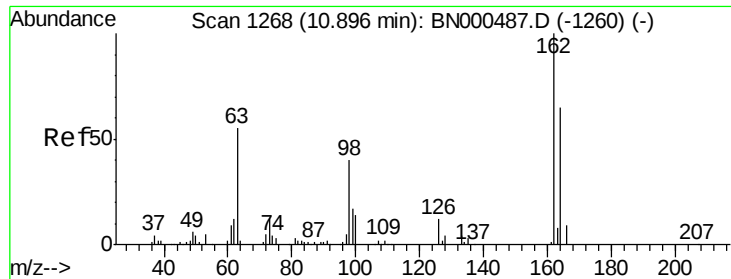
Tot Ion:107 Resp: 617776
 Ion Ratio Lower Upper
 107 100
 121 50.0 38.1 57.1
 122 84.5 63.8 95.8



#25
 Bis(2-Chloroethoxy)methane
 Concen: 18.581 ng/ul
 RT: 10.64 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: BN000491.D
 Acq: 20 Mar 2018 14:27

Tgt Ion: 93 Resp: 520394
 Ion Ratio Lower Upper
 93 100
 95 32.6 24.7 37.1
 123 11.0 8.2 12.2

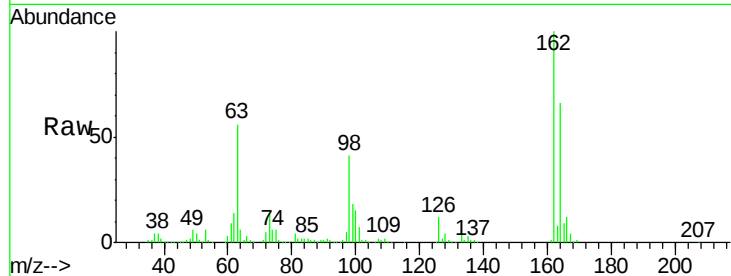




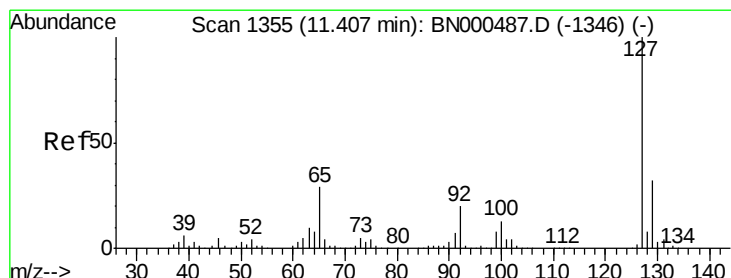
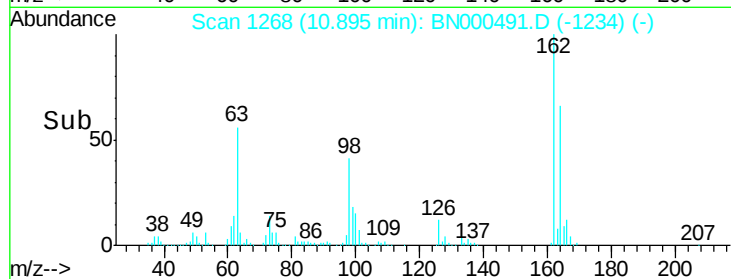
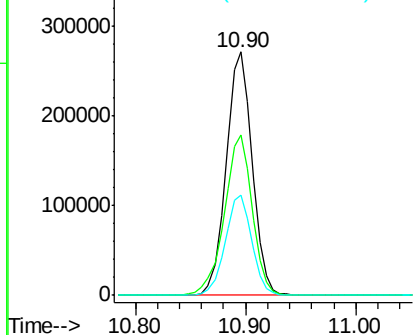
#27
2,4-Dichlorophenol
Concen: 26.410 ng/ul
RT: 10.90 min Scan# 1268
Delta R.T. -0.00 min
Lab File: BN000491.D
Acq: 20 Mar 2018 14:27

Instrument :
BNA_N
ClientSampleId :

Tot Ion:162 Resp: 448531
Ion Ratio Lower Upper
162 100
164 65.8 52.0 78.0
98 41.3 26.6 39.8#

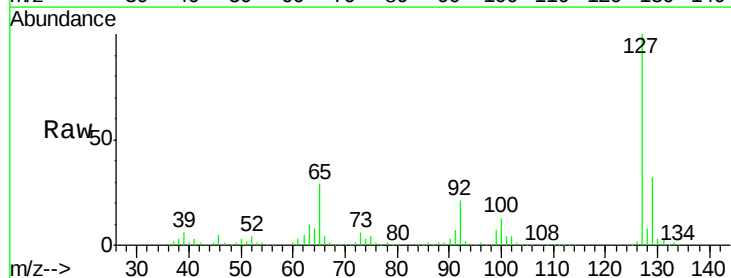


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BNC

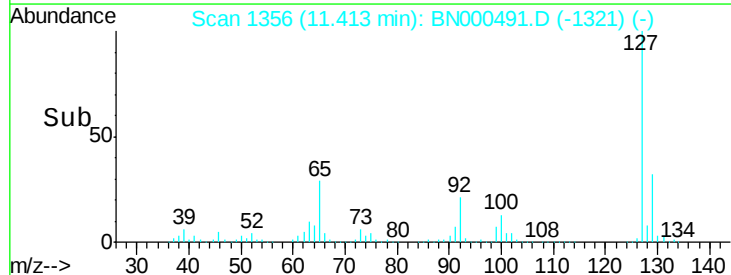
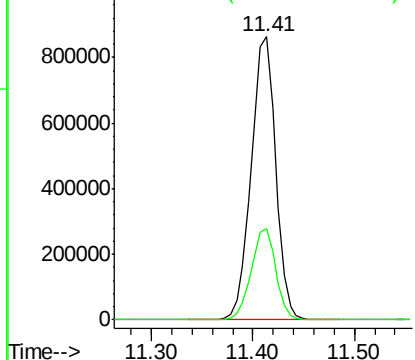


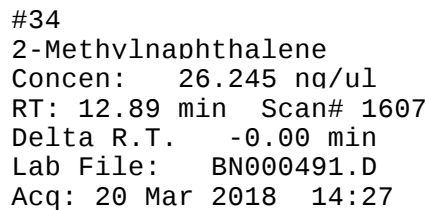
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4-Chloroaniline
Concen: 79.607 ng/ul
RT: 11.41 min Scan# 1356
Delta R.T. 0.01 min
Lab File: BN000491.D
Acq: 20 Mar 2018 14:27

Tgt Ion:127 Resp: 1451385
Ion Ratio Lower Upper
127 100
129 32.1 24.6 37.0



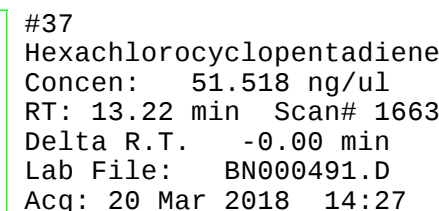
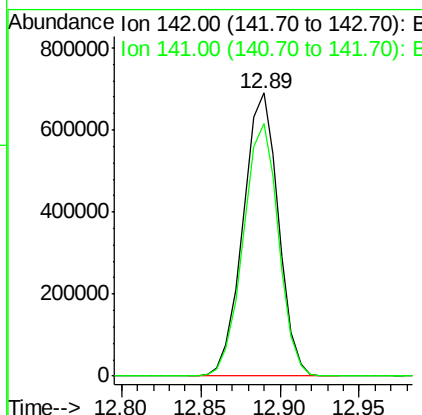
Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E



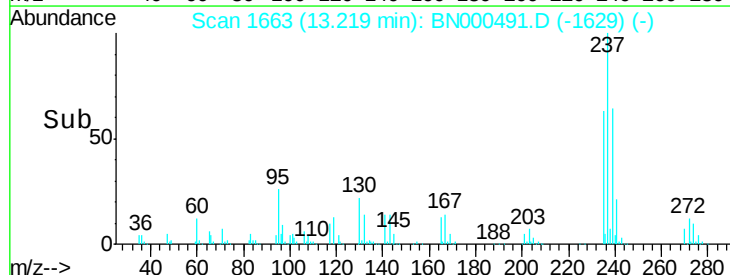
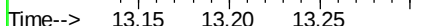
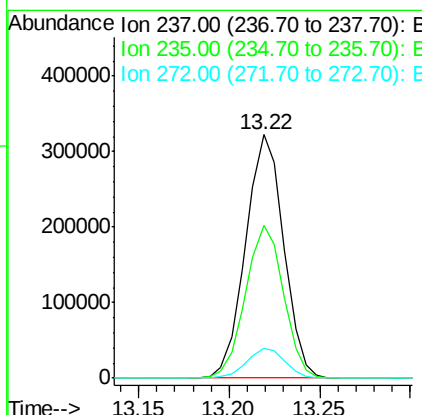


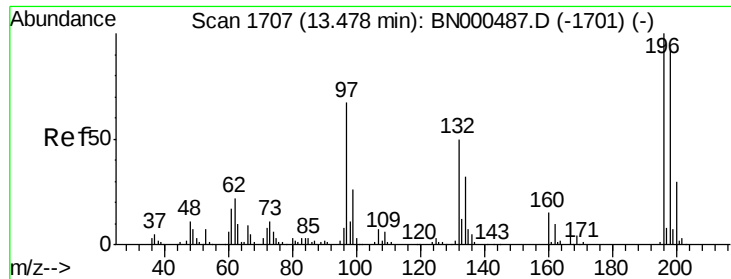
Instrument :
BNA_N
ClientSampleId :

Tot	Ion:142	Resp:	1067636
Ion	Ratio	Lower	Upper
142	100		
141	89.1	71.4	107.2



Tgt	Ion:237	Resp:	469323
Ion	Ratio	Lower	Upper
237	100		
235	62.7	49.5	74.3
272	12.3	8.6	12.8

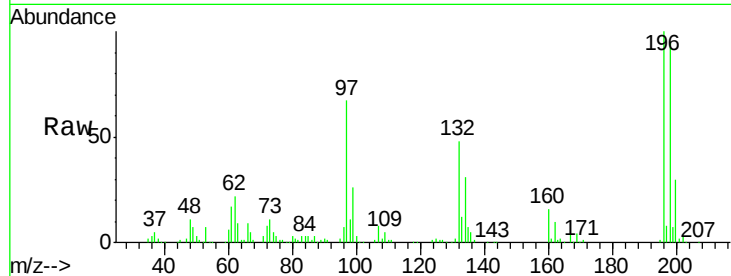




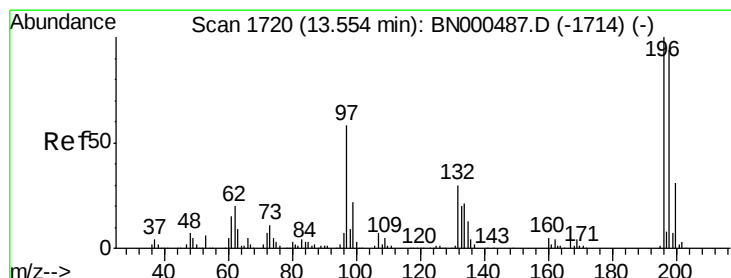
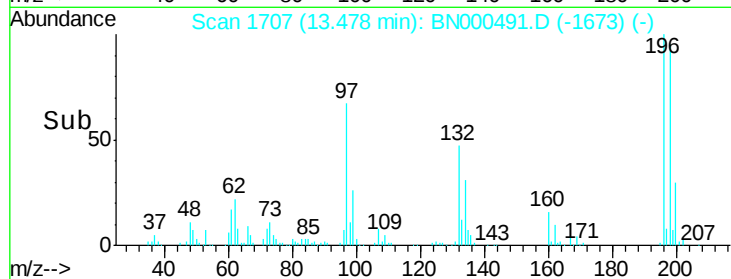
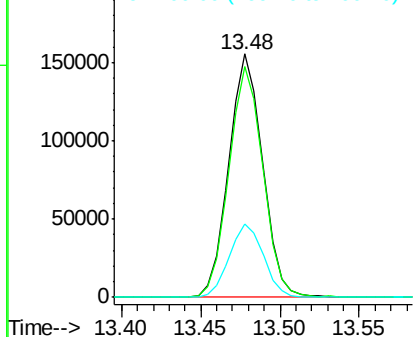
#38
 2,4,6-Trichlorophenol
 Concen: 19.431 ng/ul
 RT: 13.48 min Scan# 1707
 Delta R.T. -0.00 min
 Lab File: BN000491.D
 Acq: 20 Mar 2018 14:27

Instrument :
 BNA_N
 ClientSampled :

Tot Ion:196 Resp: 230272
 Ion Ratio Lower Upper
 196 100
 198 94.6 75.9 113.9
 200 30.4 25.8 38.6

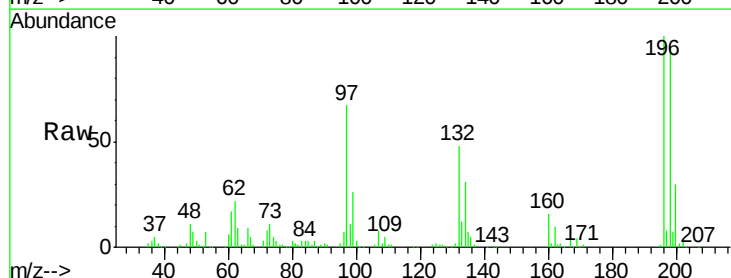


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

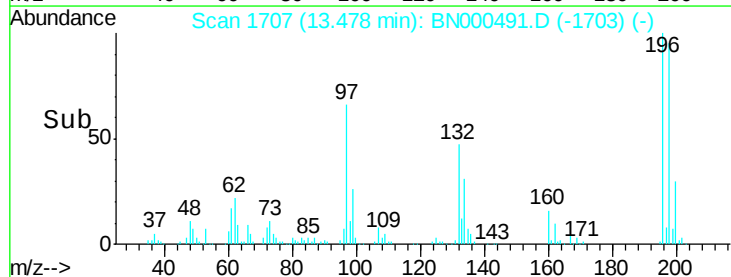
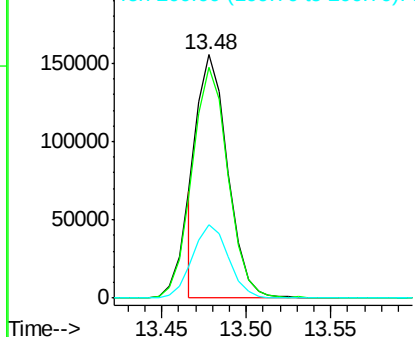


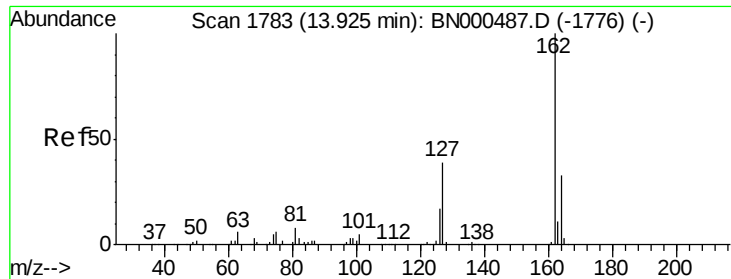
#39
 2,4,5-Trichlorophenol
 Concen: 15.576 ng/ul
 RT: 13.48 min Scan# 1707
 Delta R.T. -0.08 min
 Lab File: BN000491.D
 Acq: 20 Mar 2018 14:27

Tgt Ion:196 Resp: 192471
 Ion Ratio Lower Upper
 196 100
 198 94.6 74.7 112.1
 200 30.4 25.4 38.0



Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

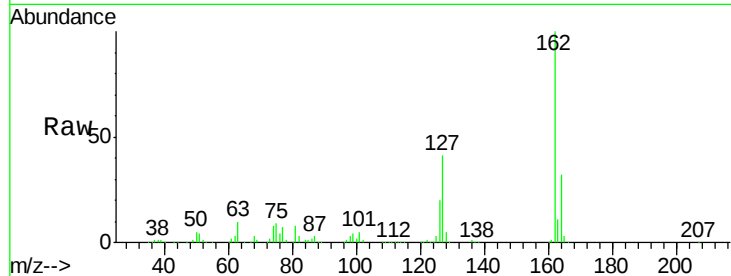




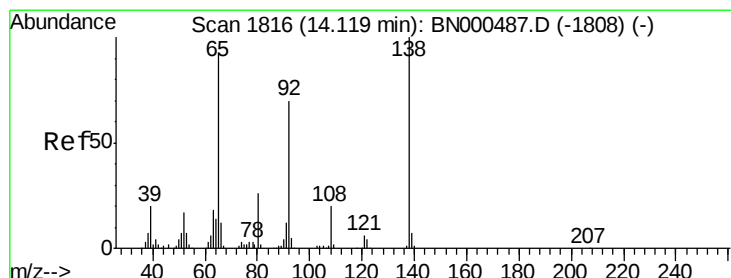
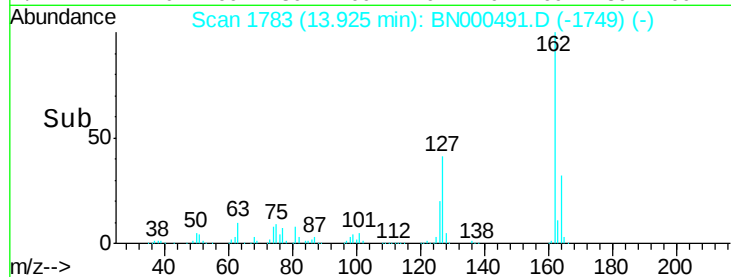
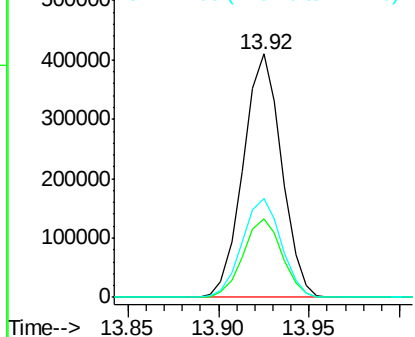
#41
 2-Chloronaphthalene
 Concen: 15.864 ng/ul
 RT: 13.92 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: BN000491.D
 Acq: 20 Mar 2018 14:27

Instrument :
 BNA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
162	100		
164	32.3	26.2	39.4
127	40.7	29.5	44.3

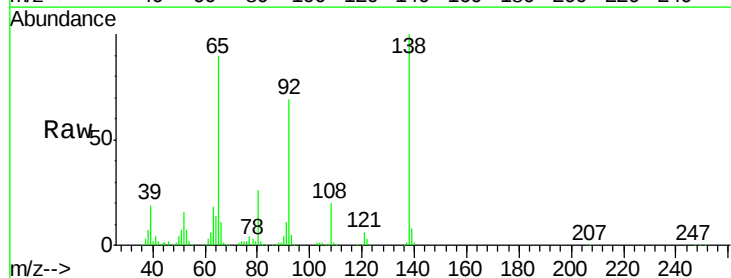


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 127.00 (126.70 to 127.70): E

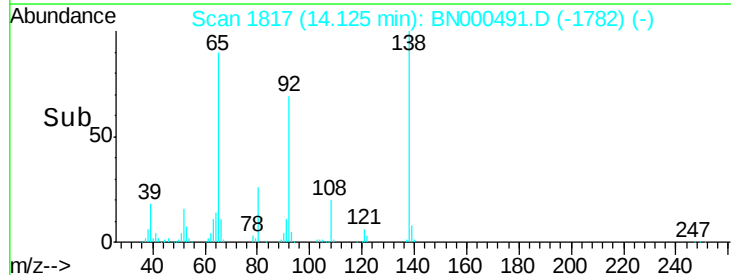
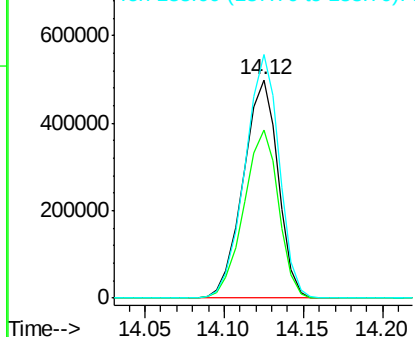


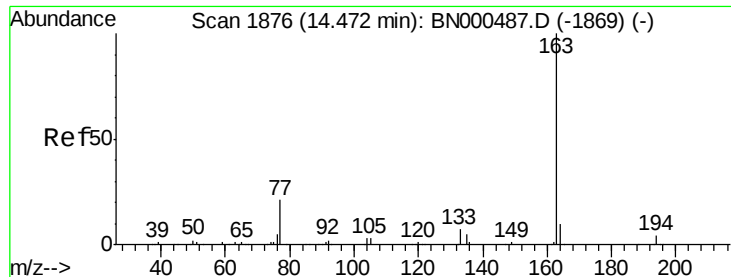
#42
 2-Nitroaniline
 Concen: 66.080 ng/ul
 RT: 14.12 min Scan# 1817
 Delta R.T. 0.01 min
 Lab File: BN000491.D
 Acq: 20 Mar 2018 14:27

Tgt Ion	Ratio	Lower	Upper
65	100		
92	77.1	57.0	85.4
138	111.4	87.2	130.8



Abundance Ion 65.00 (64.70 to 65.70): BNC
 Ion 92.00 (91.70 to 92.70): BNC
 Ion 138.00 (137.70 to 138.70): E





#44

Dimethylphthalate

Concen: 31.595 ng/ul

RT: 14.47 min Scan# 1876

Delta R.T. -0.00 min

Lab File: BN000491.D

Acq: 20 Mar 2018 14:27

Instrument :

BNA_N

ClientSampled :

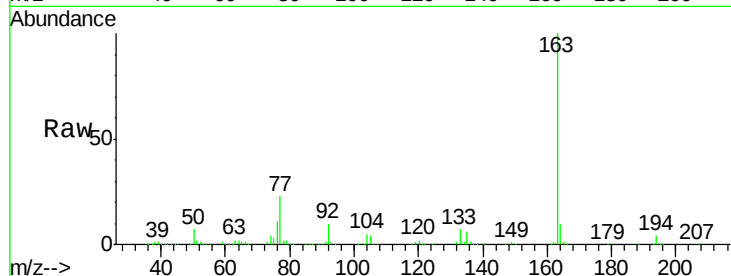
Tot Ion:163 Resp: 1435788

Ion Ratio Lower Upper

163 100

194 4.0 4.0 6.0

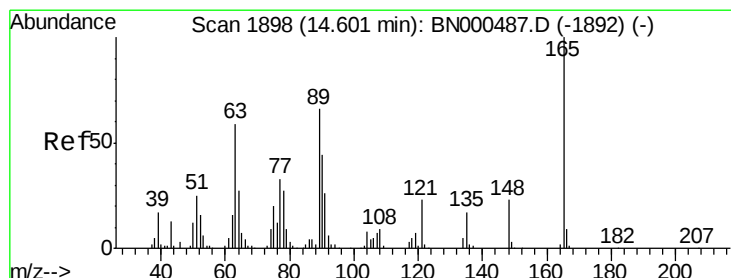
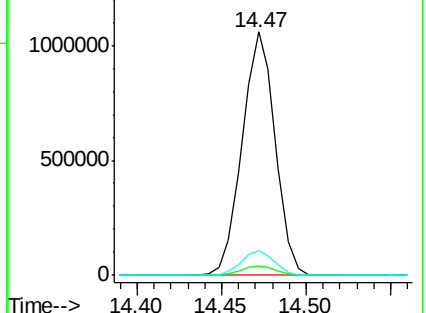
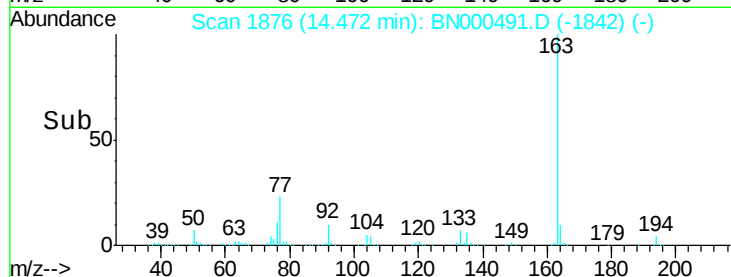
164 10.2 8.4 12.6



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



#45

2,6-Dinitrotoluene

Concen: 16.078 ng/ul

RT: 14.60 min Scan# 1898

Delta R.T. -0.00 min

Lab File: BN000491.D

Acq: 20 Mar 2018 14:27

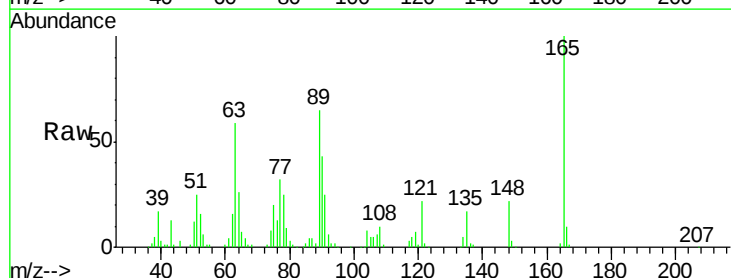
Tgt Ion:165 Resp: 147235

Ion Ratio Lower Upper

165 100

89 65.2 43.8 65.8

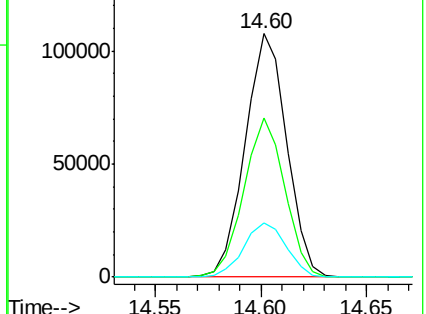
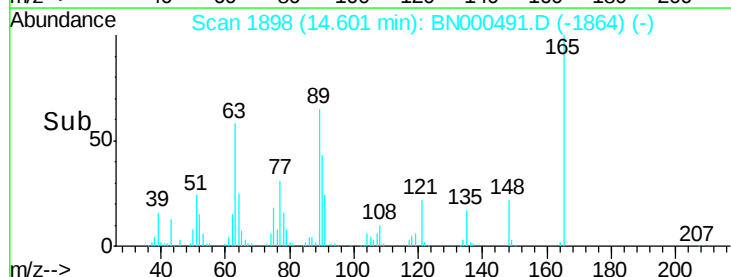
121 22.1 17.8 26.6

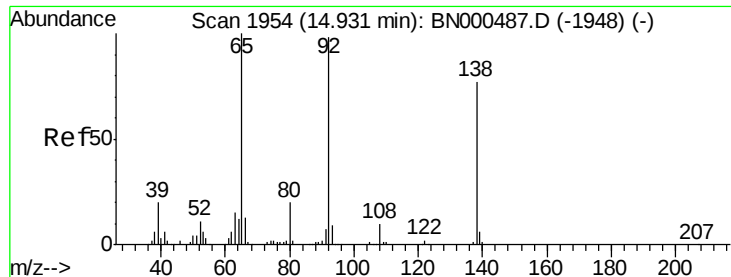


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 89.00 (88.70 to 89.70): BNC

Ion 121.00 (120.70 to 121.70): E





#48

3-Nitroaniline

Concen: 76.510 ng/ul

RT: 14.94 min Scan# 1955

Delta R.T. 0.01 min

Lab File: BN000491.D

Acq: 20 Mar 2018 14:27

Instrument :

BNA_N

ClientSampleId :

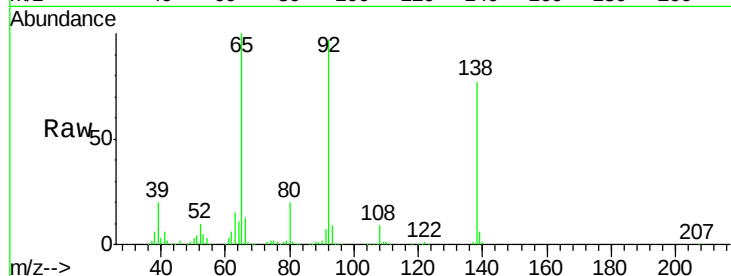
Tot Ion:138 Resp: 676455

Ion Ratio Lower Upper

138 100

108 11.6 7.6 11.4#

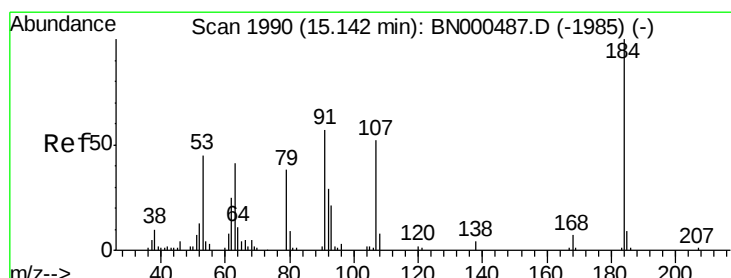
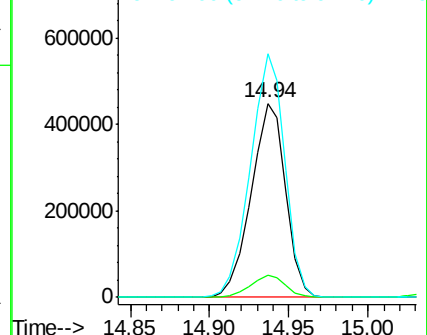
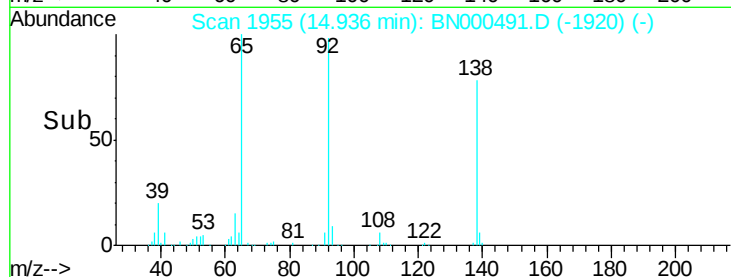
92 125.7 94.2 141.2



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): BNC



#50

2,4-Dinitrophenol

Concen: 70.981 ng/ul

RT: 15.14 min Scan# 1990

Delta R.T. -0.00 min

Lab File: BN000491.D

Acq: 20 Mar 2018 14:27

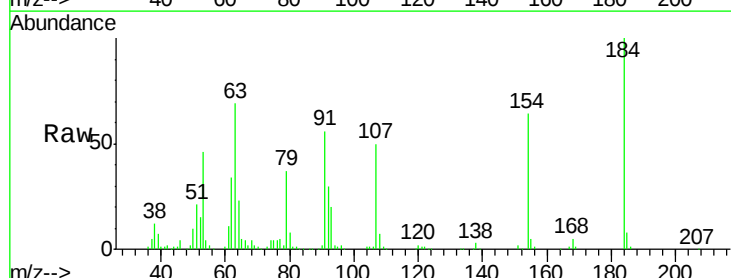
Tgt Ion:184 Resp: 306661

Ion Ratio Lower Upper

184 100

63 69.4 39.7 59.5#

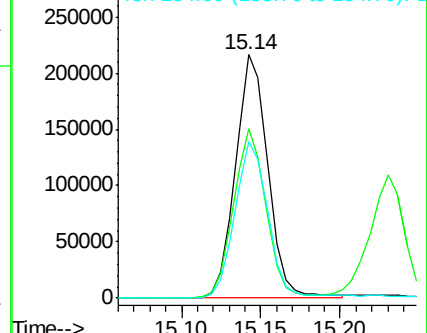
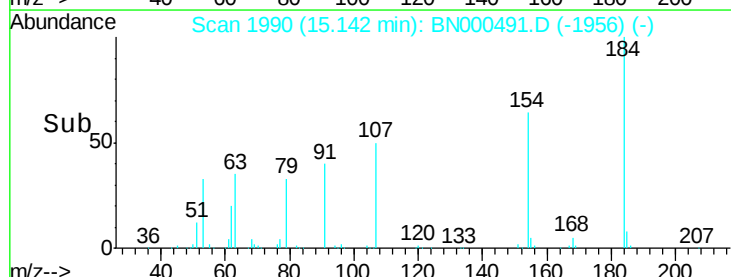
154 64.1 45.0 67.6

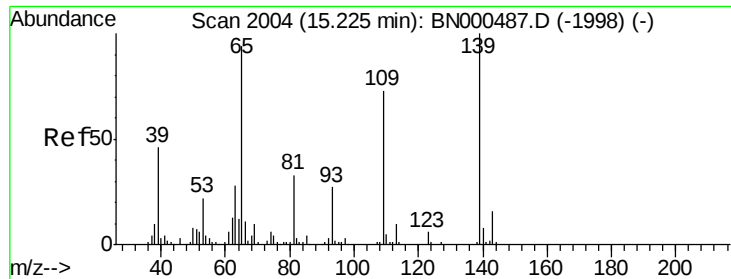


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BNC

Ion 154.00 (153.70 to 154.70): E





#52

4-Nitrophenol

Concen: 65.232 ng/ul

RT: 15.23 min Scan# 2005

Delta R.T. 0.01 min

Lab File: BN000491.D

Acq: 20 Mar 2018 14:27

Instrument :

BNA_N

ClientSampleId :

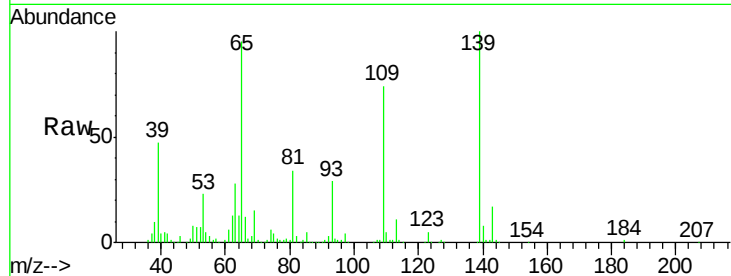
Tot Ion:109 Resp: 430031

Ion Ratio Lower Upper

109 100

139 134.6 91.2 136.8

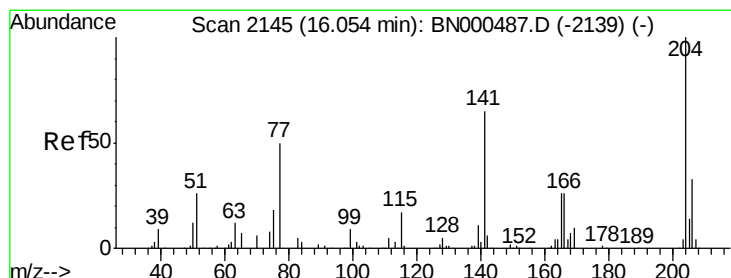
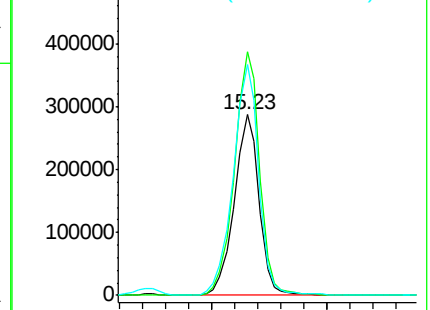
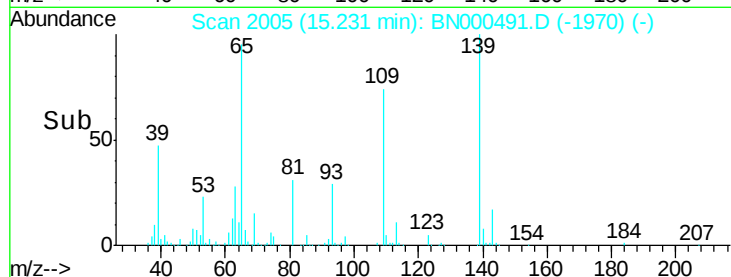
65 127.8 92.6 139.0



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



#59

4-Chlorophenyl-phenylether

Concen: 15.958 ng/ul

RT: 16.05 min Scan# 2145

Delta R.T. -0.00 min

Lab File: BN000491.D

Acq: 20 Mar 2018 14:27

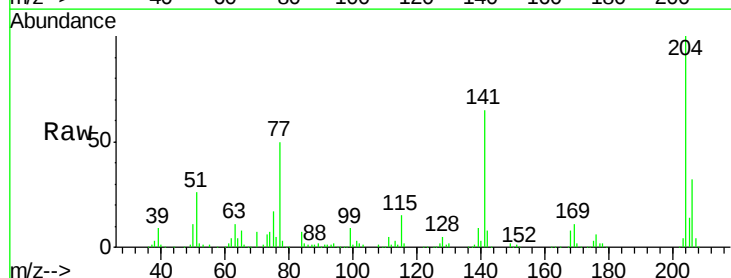
Tgt Ion:204 Resp: 322181

Ion Ratio Lower Upper

204 100

206 31.8 26.6 40.0

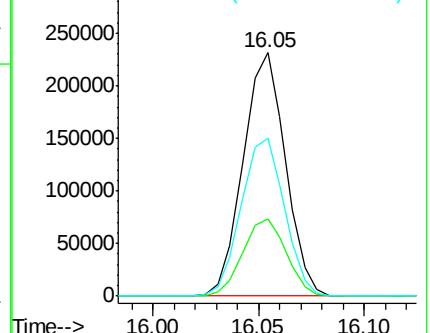
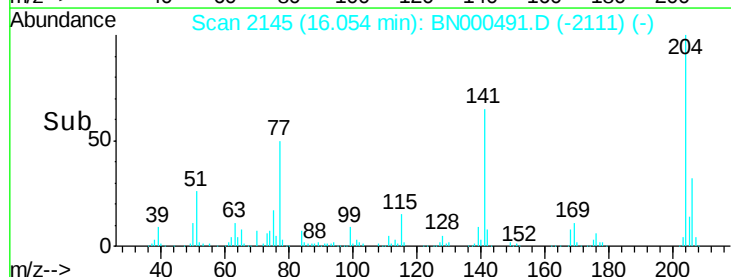
141 64.7 40.7 61.1#

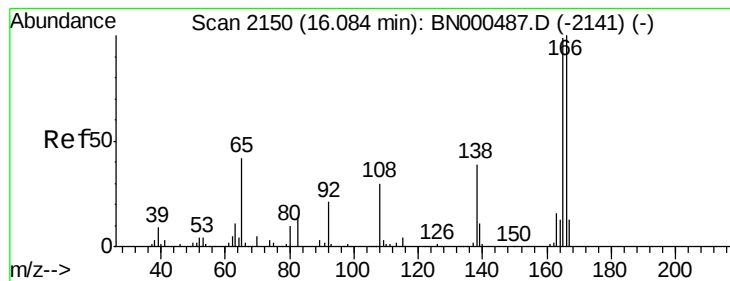


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E





#60

4-Nitroaniline

Concen: 43.200 ng/ul

RT: 16.09 min Scan# 2151

Delta R.T. 0.01 min

Lab File: BN000491.D

Acq: 20 Mar 2018 14:27

Instrument :

BNA_N

ClientSampleId :

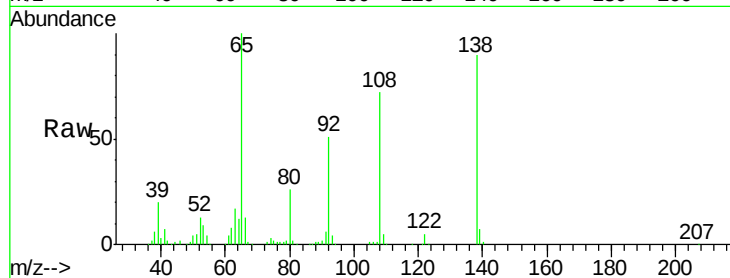
Tot Ion:138 Resp: 429106

Ion Ratio Lower Upper

138 100

92 56.2 38.2 57.4

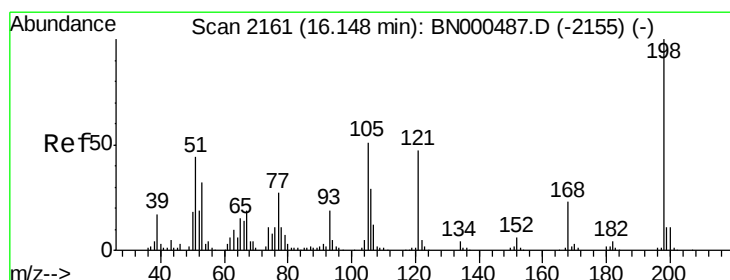
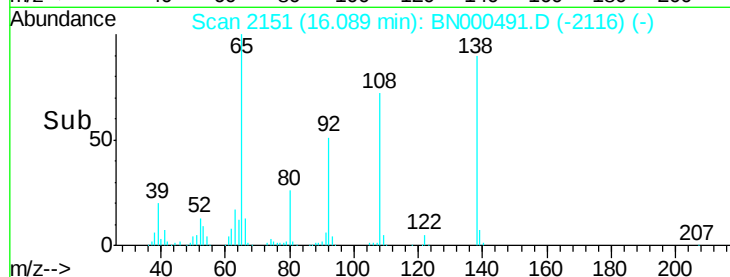
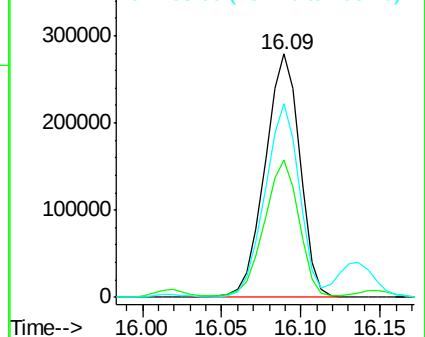
108 79.7 70.0 105.0



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BNO

Ion 108.00 (107.70 to 108.70): E



#63

4,6-Dinitro-2-methylphenol

Concen: 65.529 ng/ul

RT: 16.15 min Scan# 2161

Delta R.T. -0.00 min

Lab File: BN000491.D

Acq: 20 Mar 2018 14:27

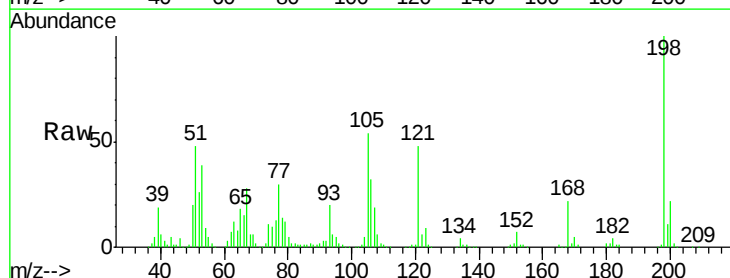
Tgt Ion:198 Resp: 416726

Ion Ratio Lower Upper

198 100

182 3.6 3.5 5.3

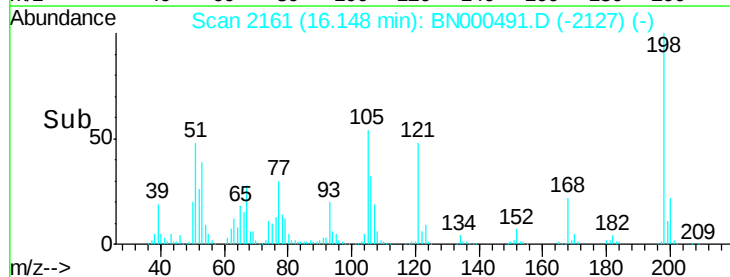
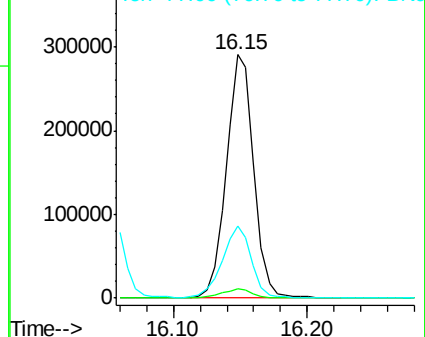
77 29.7 18.2 27.4#

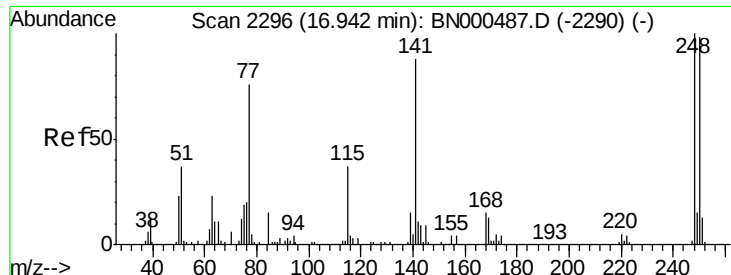


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 77.00 (76.70 to 77.70): BNO





#65

4-Bromophenyl-phenylether

Concen: 63.963 ng/ul

RT: 16.94 min Scan# 2296

Delta R.T. -0.00 min

Lab File: BN000491.D

Acq: 20 Mar 2018 14:27

Instrument :

BNA_N

ClientSampleId :

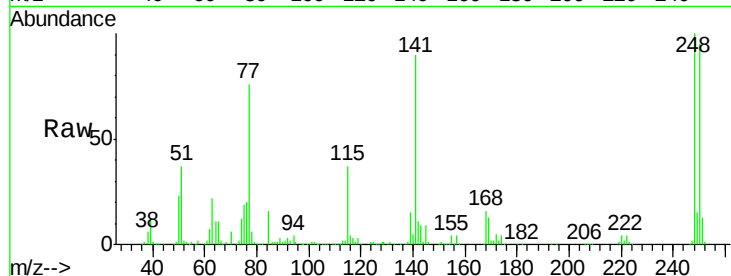
Tot Ion:248 Resp: 685737

Ion Ratio Lower Upper

248 100

250 95.4 79.0 118.4

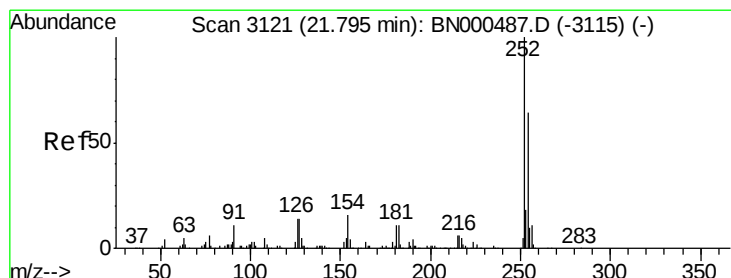
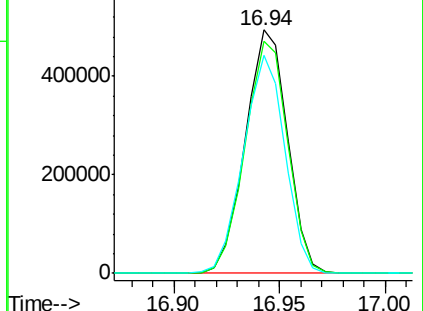
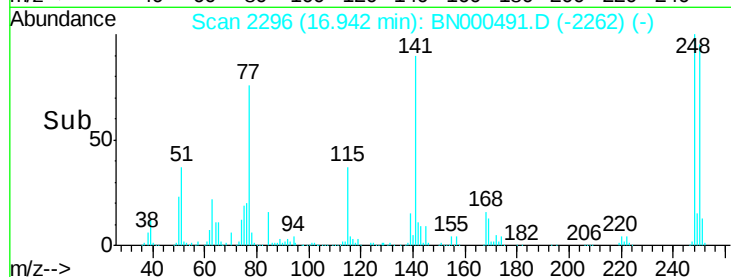
141 89.6 51.9 77.9#



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



#79

3,3'-Dichlorobenzidine

Concen: 30.036 ng/ul

RT: 21.78 min Scan# 3119

Delta R.T. -0.01 min

Lab File: BN000491.D

Acq: 20 Mar 2018 14:27

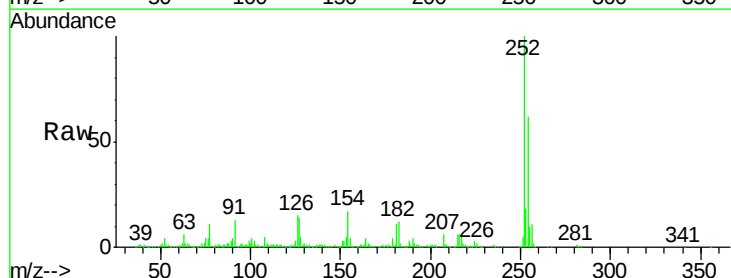
Tgt Ion:252 Resp: 476166

Ion Ratio Lower Upper

252 100

254 62.4 52.8 79.2

126 15.2 6.9 10.3#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E

