

Data Path : \\74.0.250.170\SV0ASRV\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 :
 DAM37

Quant Time: Mar 20 23:50:49 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
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
63) 4,6-Dinitro-2-methylphenol	16.15	198	416726	65.529	ng/ul#	88

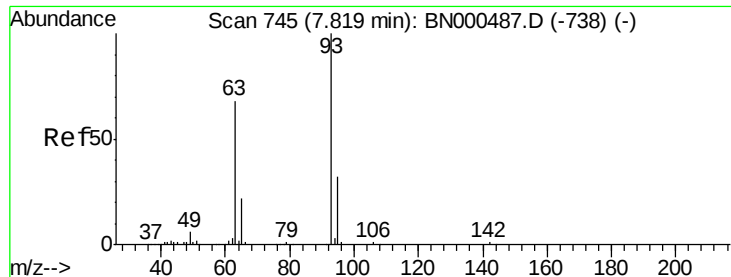
Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA N\DATA\BN032018\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) 4-Bromophenyl-phenylether	16.94	248	685737	63.963	ng/ul#	86
79) 3,3'-Dichlorobenzidine	21.78	252	476166	30.036	ng/ul#	94

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

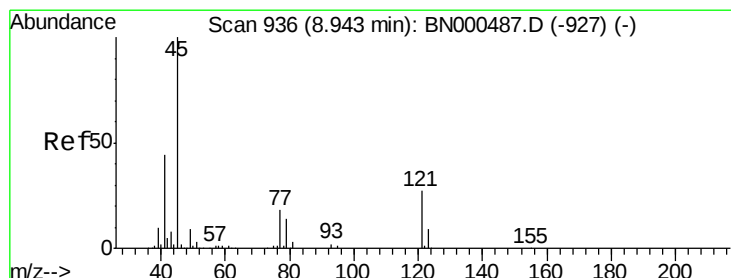
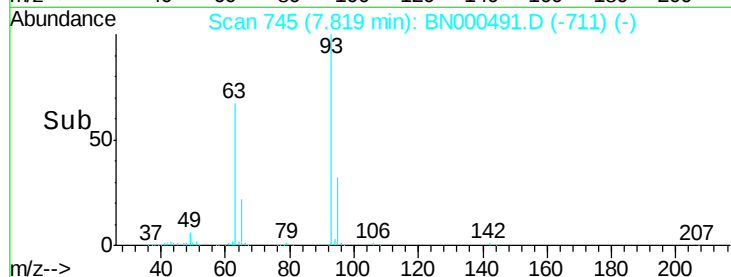
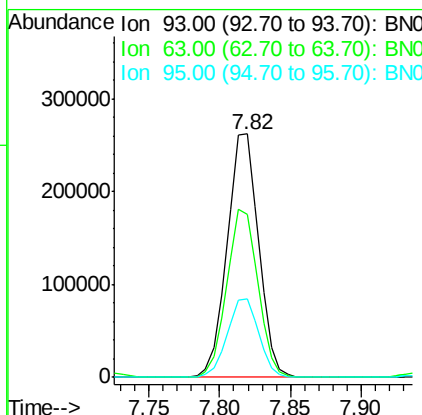
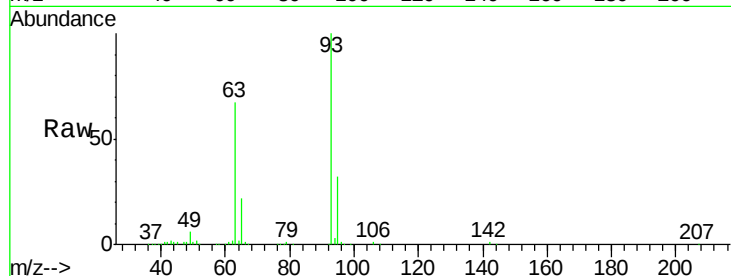


#8

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 :
 DAM37

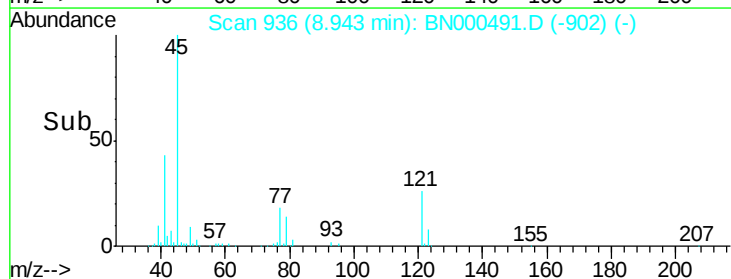
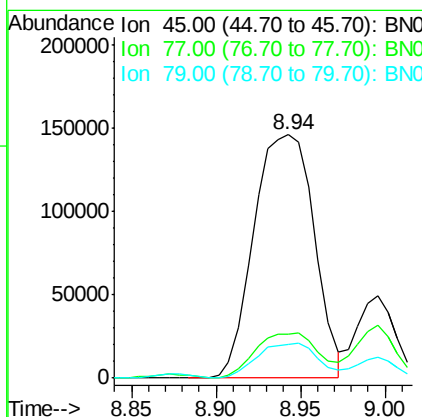
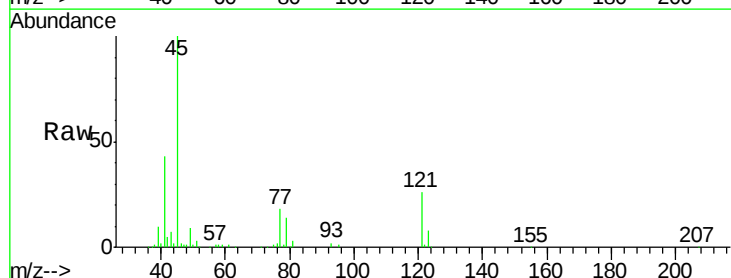
Tot Ion	Ratio	Lower	Upper
93	100		
63	67.0	59.4	89.2
95	32.0	26.4	39.6

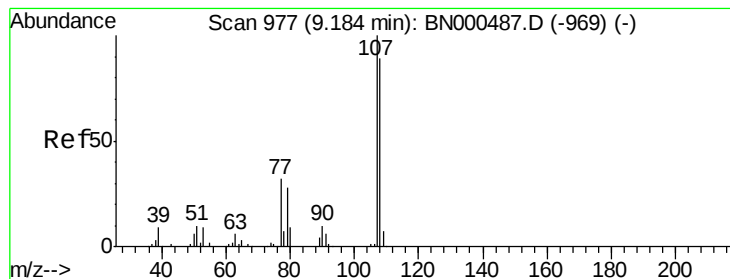


#12

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	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 :

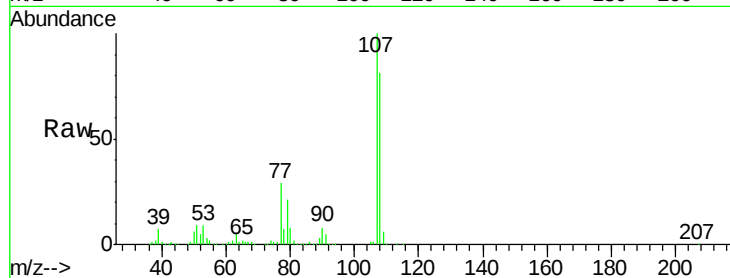
DAM37

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

800000

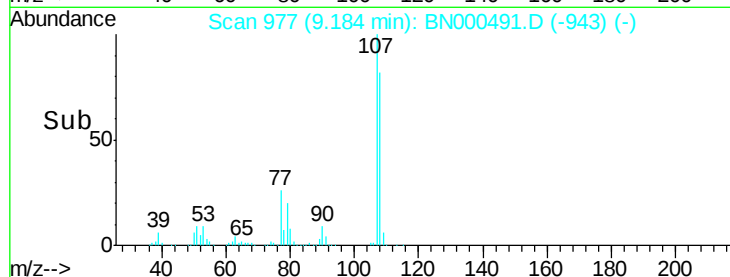
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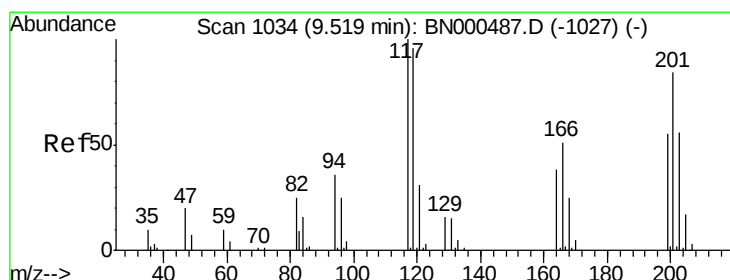
200000

0

9.10 9.20 9.30



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

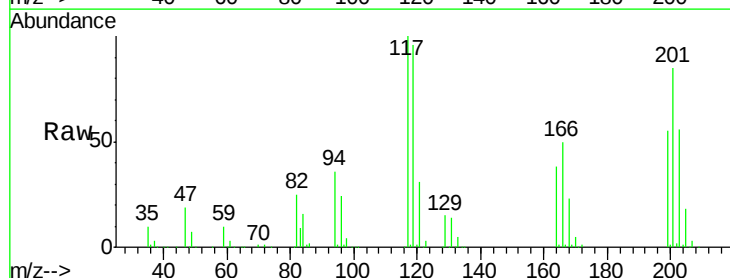
Tgt Ion:117 Resp: 467422

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

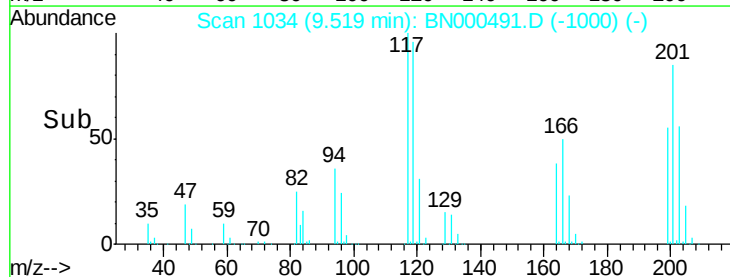
300000

200000

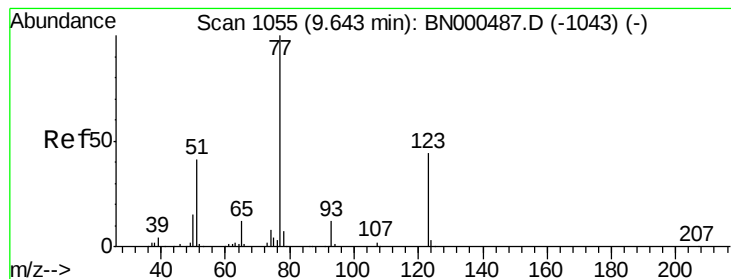
100000

0

9.45 9.50 9.55



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 :

DAM37

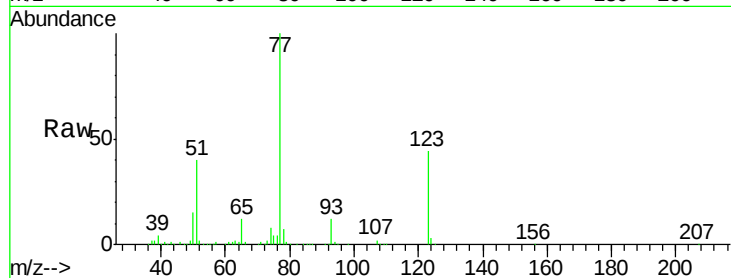
Tot Ion: 77 Resp: 453684

Ion Ratio Lower Upper

77 100

123 44.4 31.8 47.8

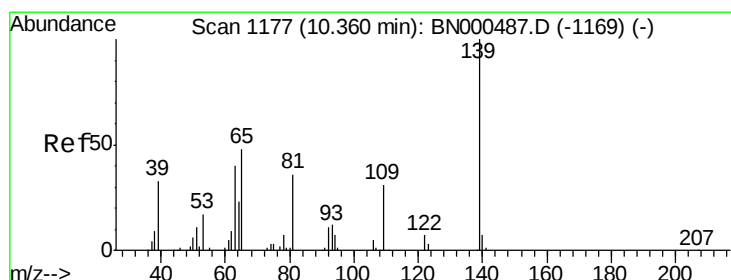
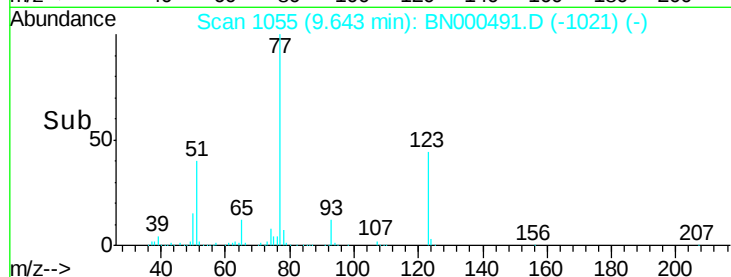
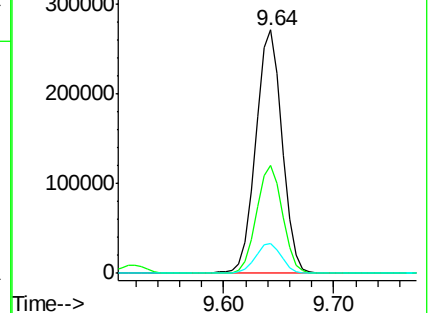
65 12.3 10.6 16.0



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

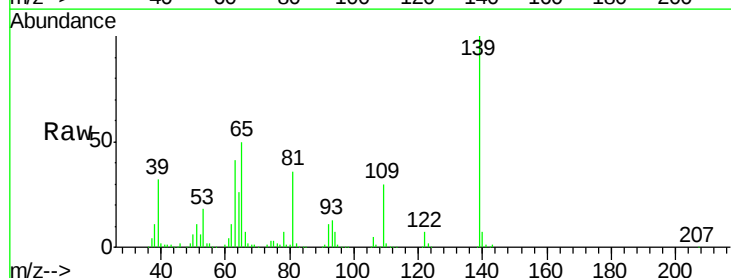
Tgt Ion: 139 Resp: 421120

Ion Ratio Lower Upper

139 100

65 49.8 45.3 67.9

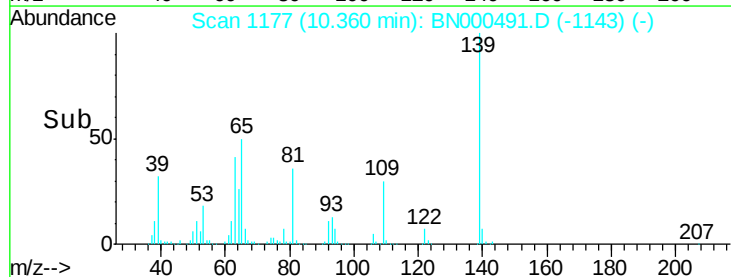
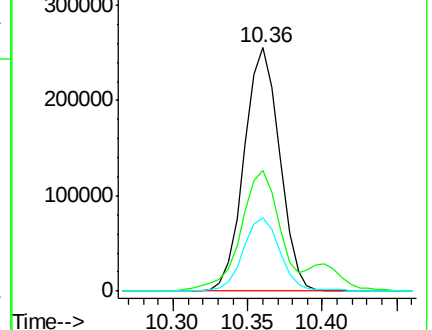
109 30.0 27.7 41.5

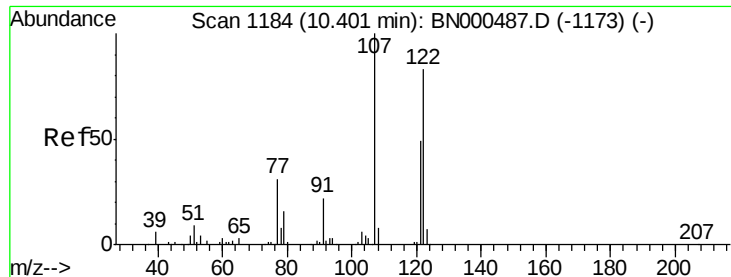


Abundance Ion 139.00 (138.70 to 139.70): BNC

Ion 65.00 (64.70 to 65.70): BNC

Ion 109.00 (108.70 to 109.70): BNC

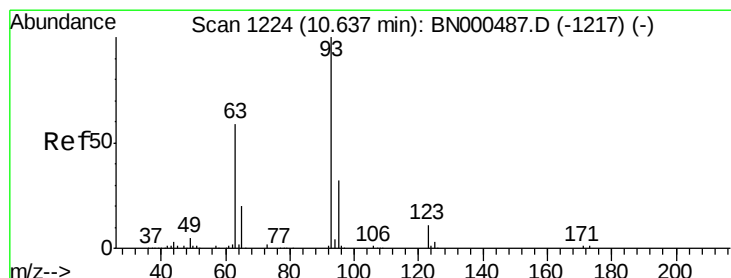
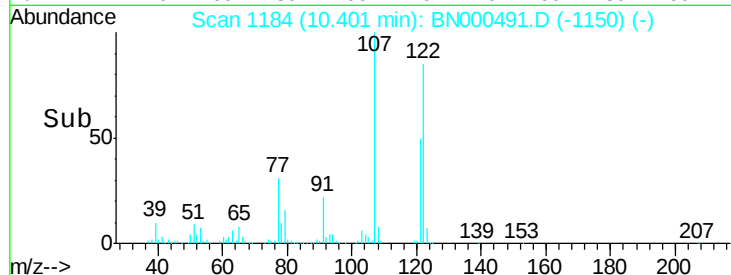
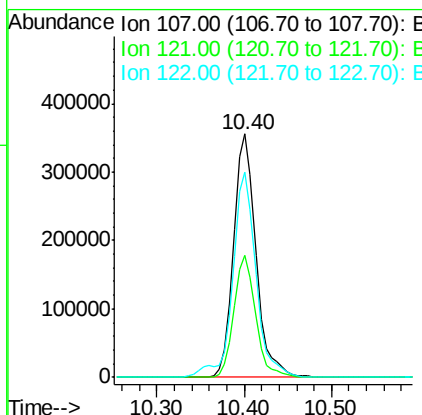
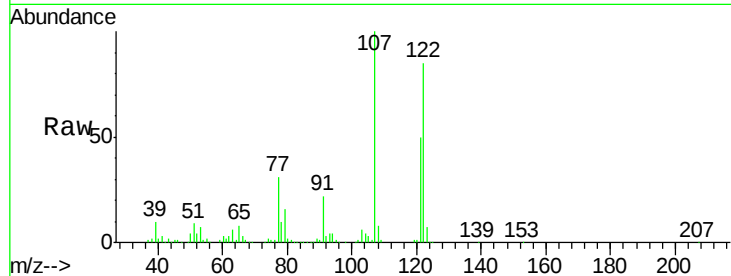




#24
 2,4-Dimethylphenol
 Concen: 27.315 ng/ul
 RT: 10.40 min Scan# 1184
 Delta R.T. -0.00 min
 Lab File: BN000491.D
 Acq: 20 Mar 2018 14:27

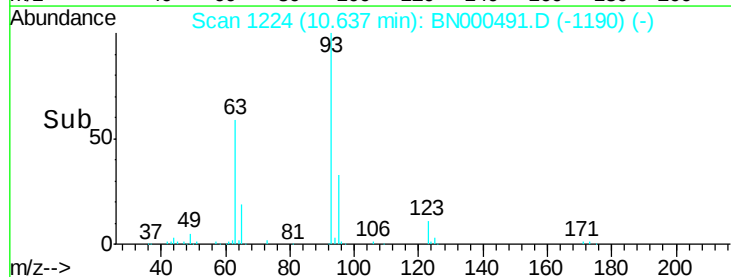
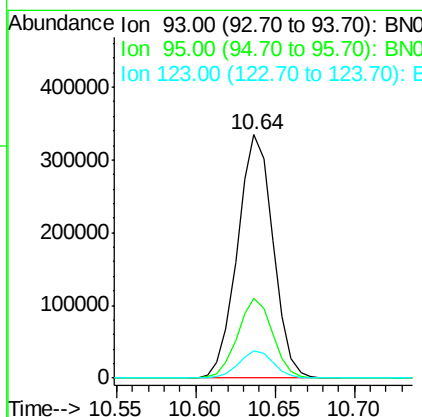
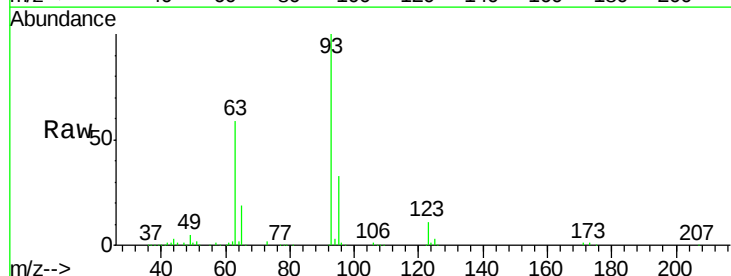
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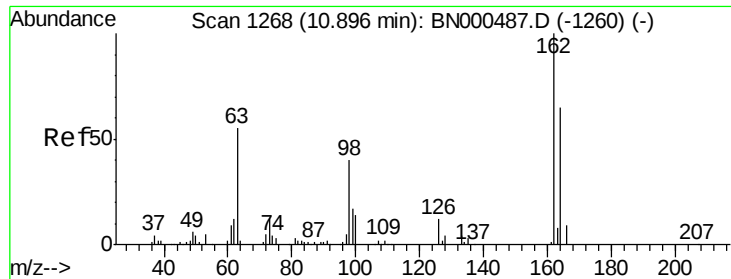
Tot Ion:107 Resp: 617776
 Ion Ratio Lower Upper
 107 100
 121 50.0 38.1 57.1
 122 84.5 63.8 95.8



#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

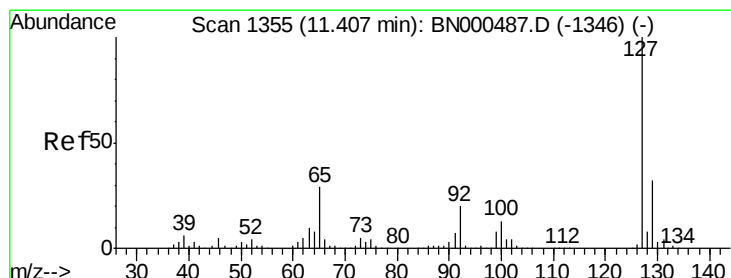
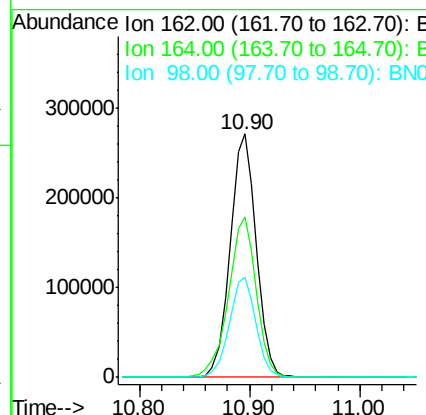
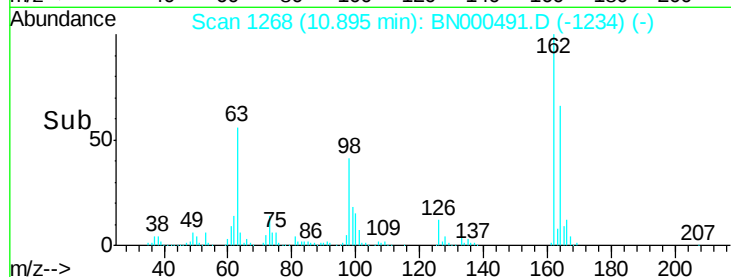
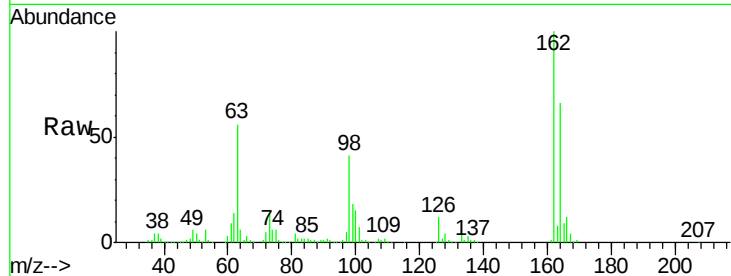




#27
2,4-Dichlorophenol
Concen: 26.410 ng/ul
RT: 10.90 min Scan# 1268
Delta R.T. -0.00 min
Lab File: BN000491.D
Acq: 20 Mar 2018 14:27

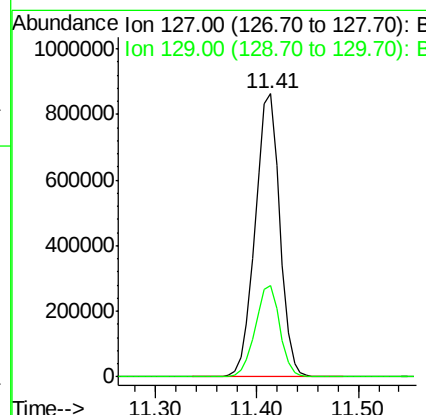
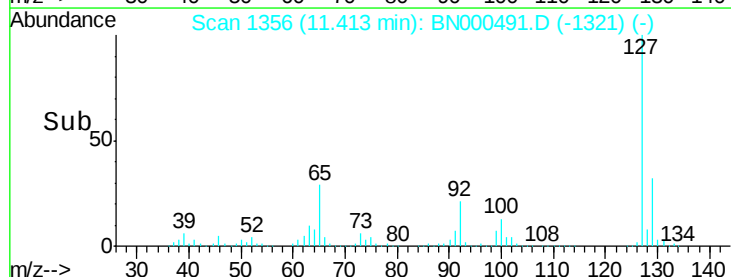
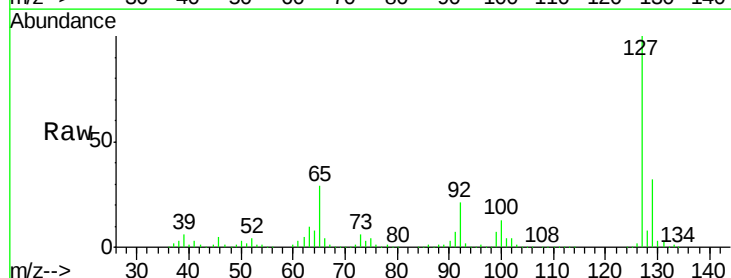
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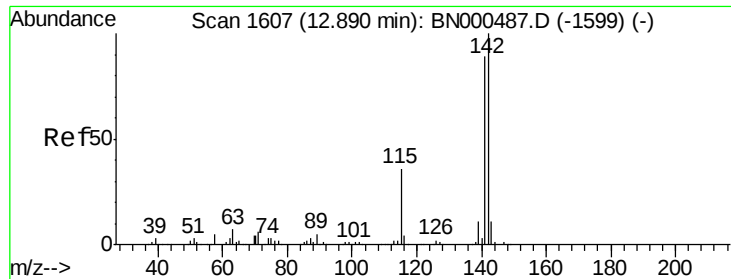
Tot Ion	Ratio	Lower	Upper
162	100		
164	65.8	52.0	78.0
98	41.3	26.6	39.8



#30
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	Ratio	Lower	Upper
127	100		
129	32.1	24.6	37.0

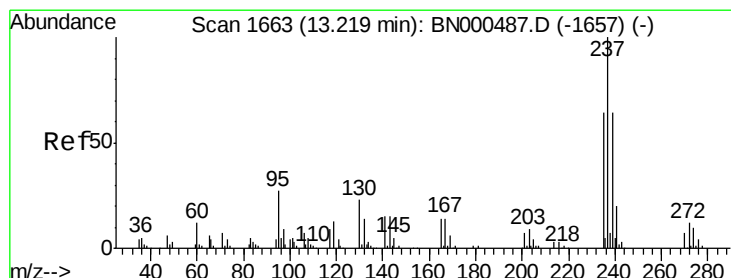
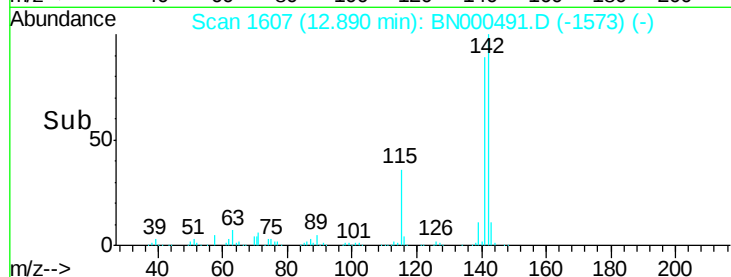
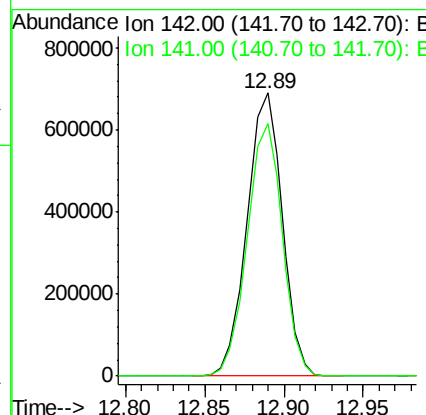
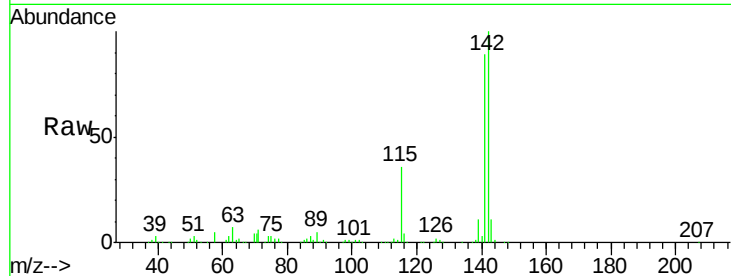




#34
2-Methylnaphthalene
Concen: 26.245 ng/ul
RT: 12.89 min Scan# 1607
Delta R.T. -0.00 min
Lab File: BN000491.D
Acq: 20 Mar 2018 14:27

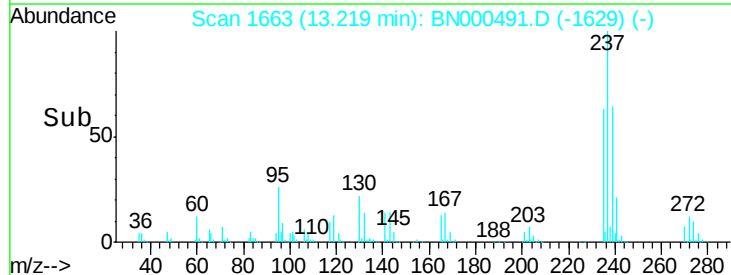
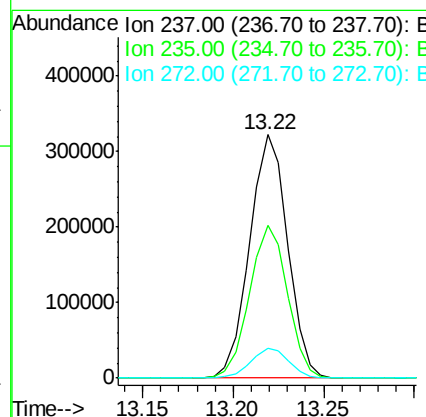
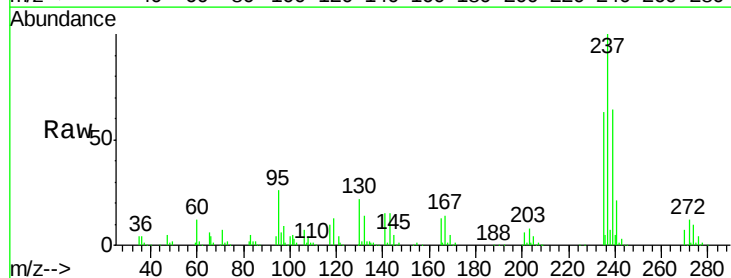
Instrument :
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ClientSampleId :
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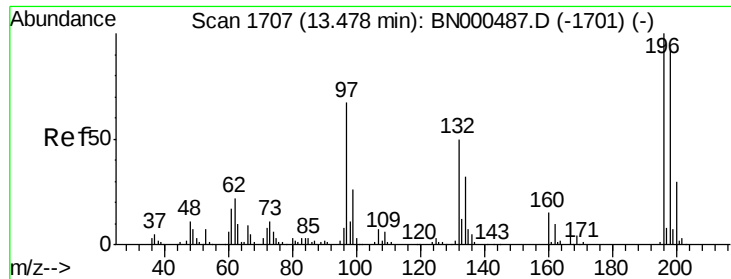
Tot Ion:142 Resp: 1067636
Ion Ratio Lower Upper
142 100
141 89.1 71.4 107.2



#37
Hexachlorocyclopentadiene
Concen: 51.518 ng/ul
RT: 13.22 min Scan# 1663
Delta R.T. -0.00 min
Lab File: BN000491.D
Acq: 20 Mar 2018 14:27

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

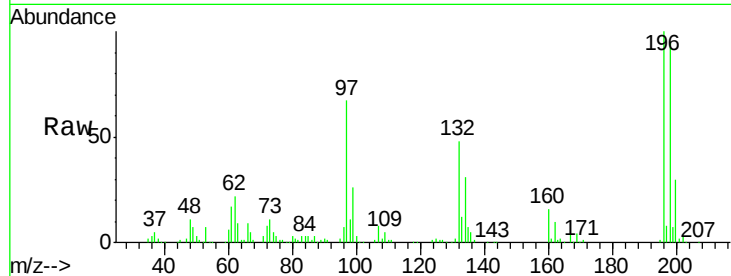




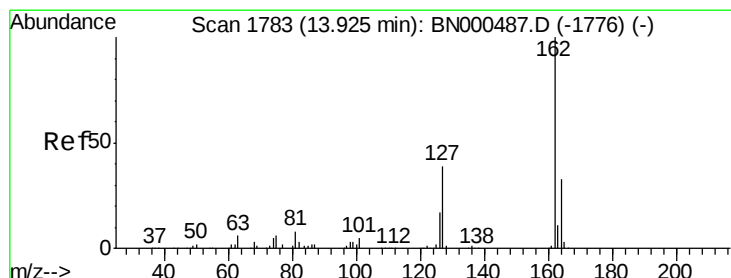
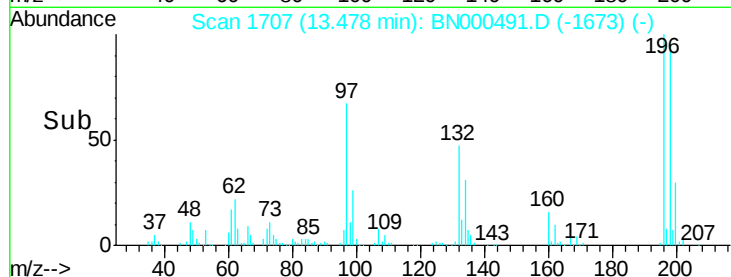
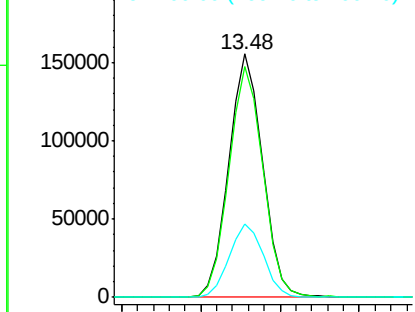
#38
 2,4,6-Trichlorophenol
 Concen: 19.431 ng/uL
 RT: 13.48 min Scan# 1707
 Delta R.T. -0.00 min
 Lab File: BN000491.D
 Acq: 20 Mar 2018 14:27

Instrument :
 BNA_N
 ClientSampled :
 DAM37

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

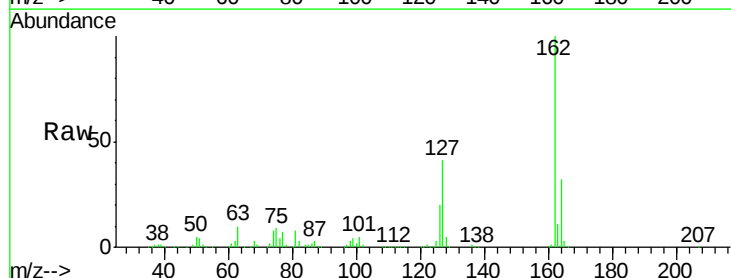


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

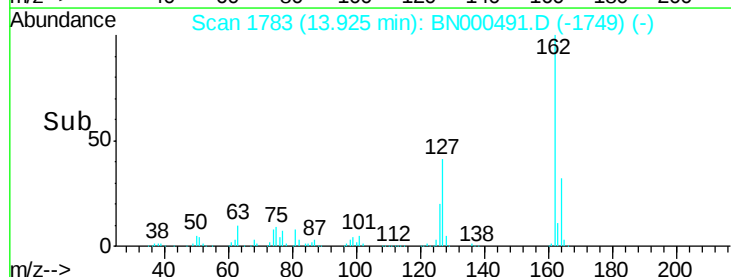
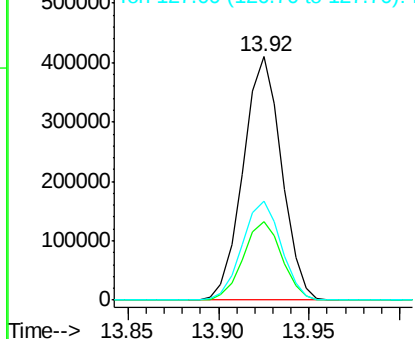


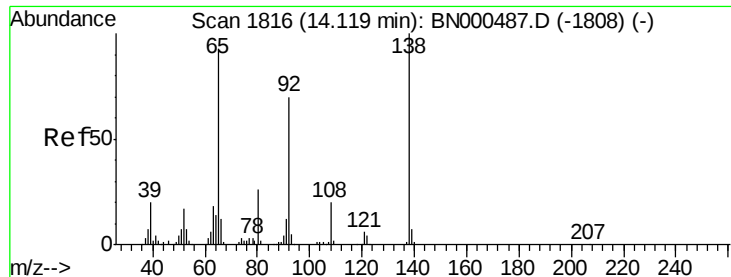
#41
 2-Chloronaphthalene
 Concen: 15.864 ng/uL
 RT: 13.92 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: BN000491.D
 Acq: 20 Mar 2018 14:27

Tgt Ion:162 Resp: 605366
 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

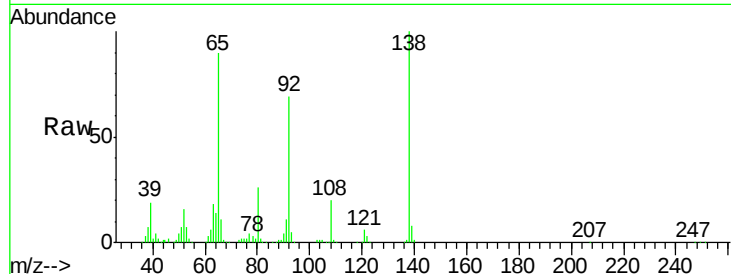




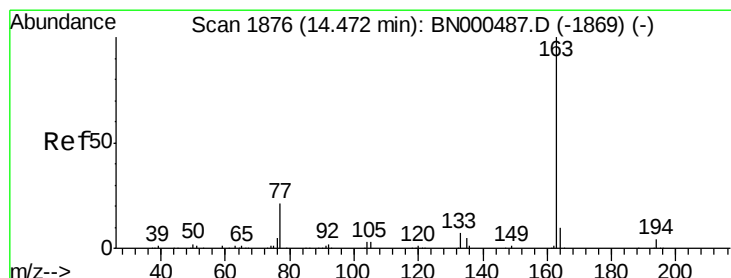
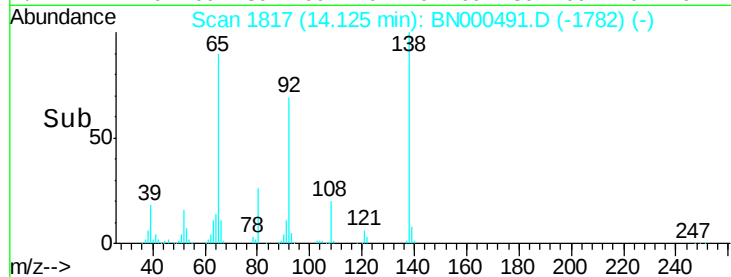
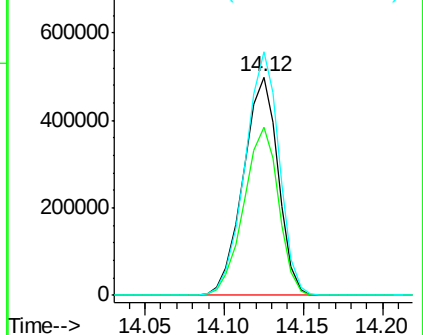
#42
2-Nitroaniline
Concen: 66.080 ng/ul
RT: 14.12 min Scan# 1817
Delta R.T. 0.01 min
Lab File: BN000491.D
Acq: 20 Mar 2018 14:27

Instrument :
BNA_N
ClientSampleId :
DAM37

Tot Ion: 65 Resp: 764023
Ion Ratio Lower Upper
65 100
92 77.1 57.0 85.4
138 111.4 87.2 130.8

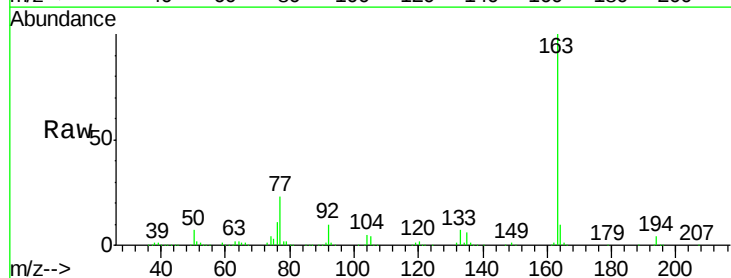


Abundance Ion 65.00 (64.70 to 65.70): BN0
Ion 92.00 (91.70 to 92.70): BN0
Ion 138.00 (137.70 to 138.70): E

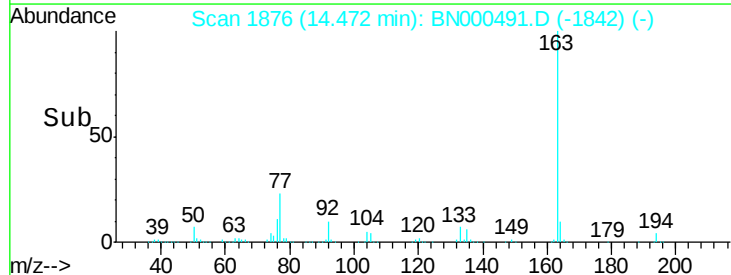
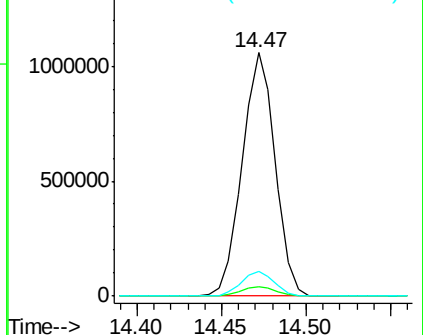


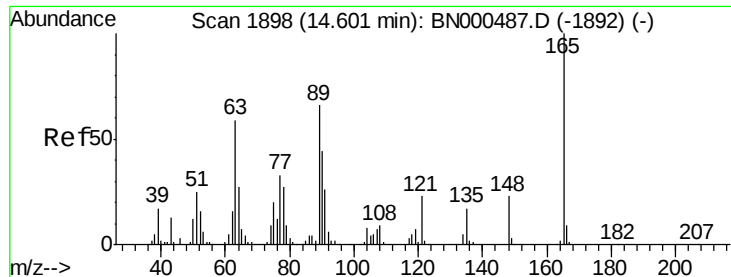
#44
Dimethylphthalate
Concen: 31.595 ng/ul
RT: 14.47 min Scan# 1876
Delta R.T. -0.00 min
Lab File: BN000491.D
Acq: 20 Mar 2018 14:27

Tgt 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

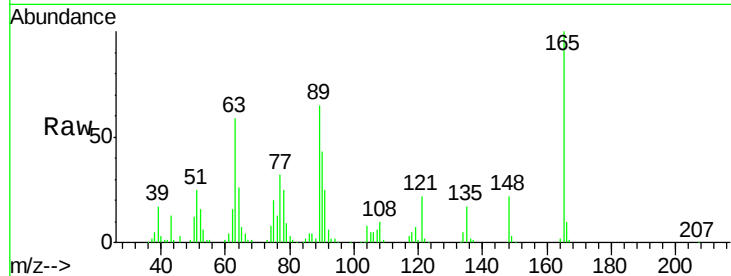




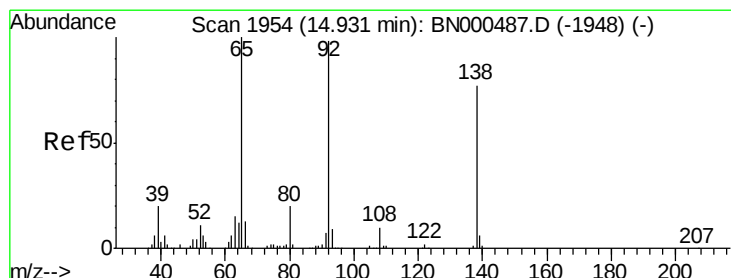
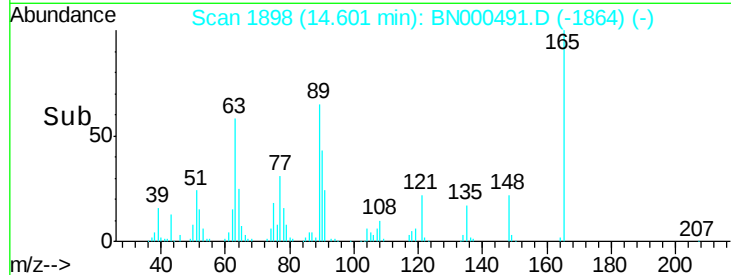
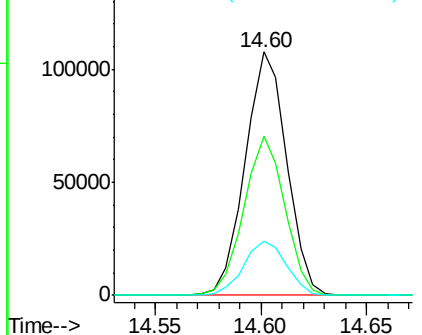
#45
 2,6-Dinitrotoluene
 Concen: 16.078 ng/ul
 RT: 14.60 min Scan# 1898
 Delta R.T. -0.00 min
 Lab File: BN000491.D
 Acq: 20 Mar 2018 14:27

Instrument :
 BNA_N
 ClientSampleId :
 DAM37

Tot Ion:165	Resp:	147235
Ion Ratio	Lower	Upper
165	100	
89	65.2	43.8 65.8
121	22.1	17.8 26.6

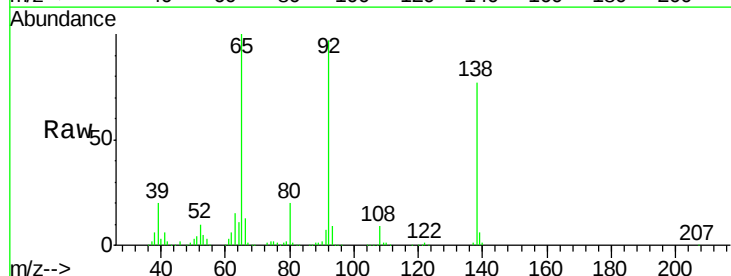


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 89.00 (88.70 to 89.70): BNO
 Ion 121.00 (120.70 to 121.70): E

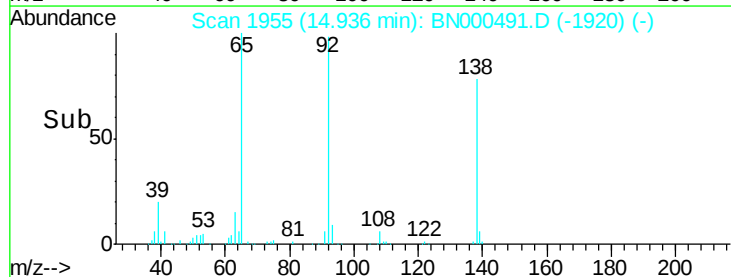
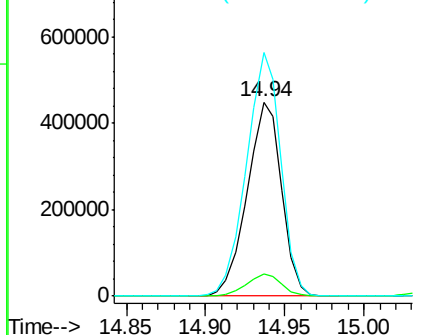


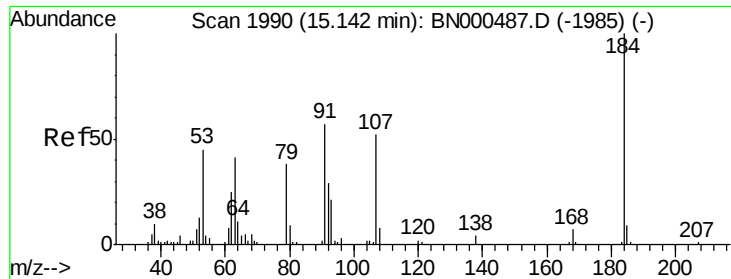
#48
 3-Nitroaniline
 Concen: 76.510 ng/ul
 RT: 14.94 min Scan# 1955
 Delta R.T. 0.01 min
 Lab File: BN000491.D
 Acq: 20 Mar 2018 14:27

Tgt 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): BNO

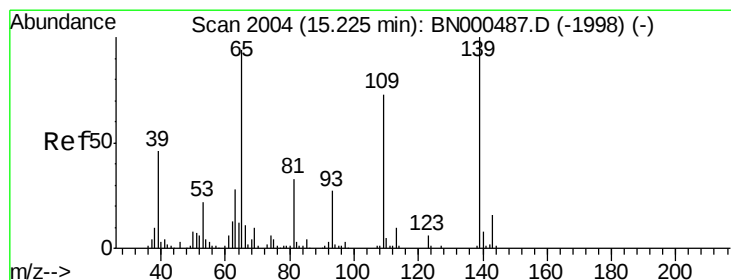
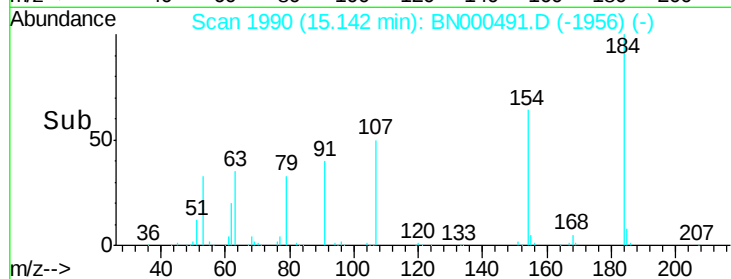
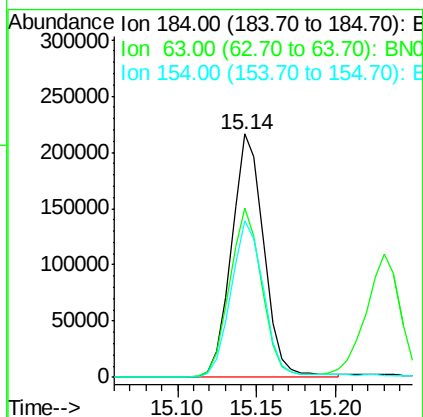
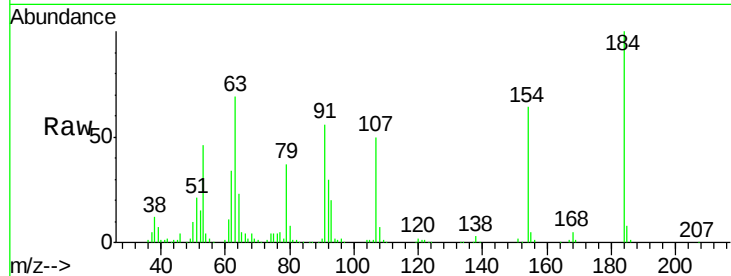




#50
2,4-Dinitrophenol
Concen: 70.981 ng/ul
RT: 15.14 min Scan# 1990
Delta R.T. -0.00 min
Lab File: BN000491.D
Acq: 20 Mar 2018 14:27

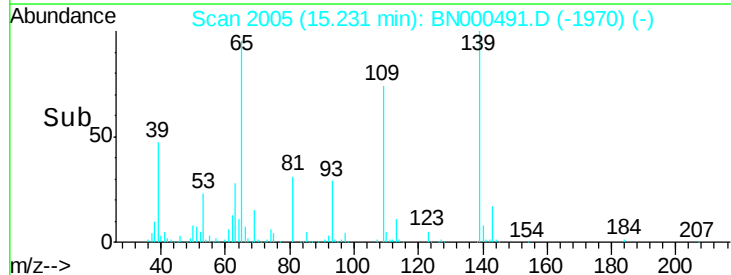
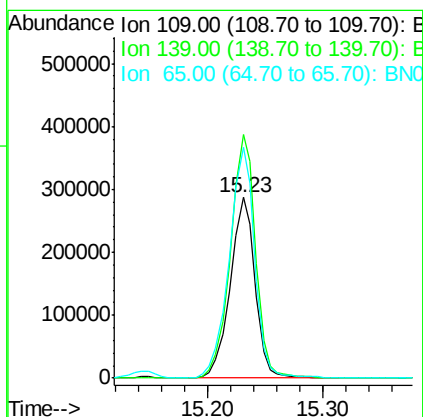
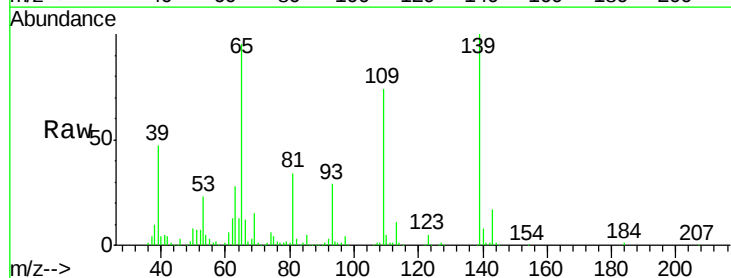
Instrument :
BNA_N
ClientSampleId :
DAM37

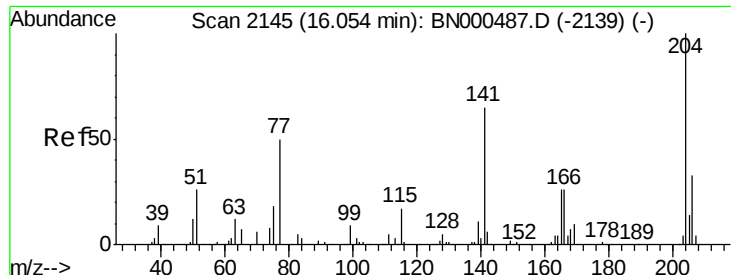
Tot Ion:184 Resp: 306661
Ion Ratio Lower Upper
184 100
63 69.4 39.7 59.5#
154 64.1 45.0 67.6



#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

Tgt Ion:109 Resp: 430031
Ion Ratio Lower Upper
109 100
139 134.6 91.2 136.8
65 127.8 92.6 139.0

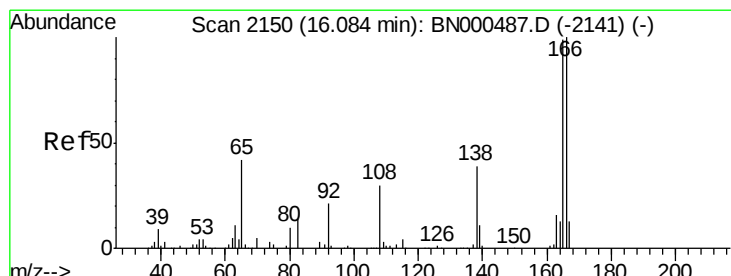
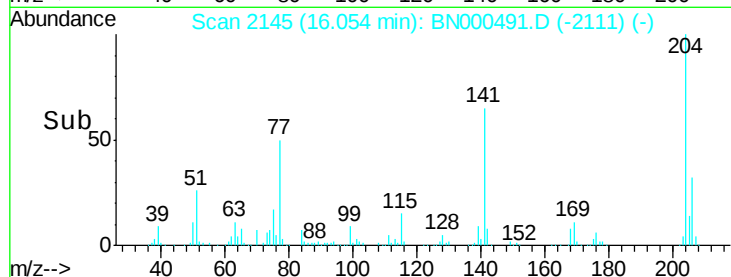
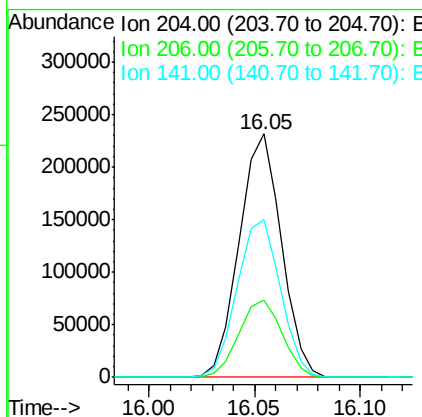
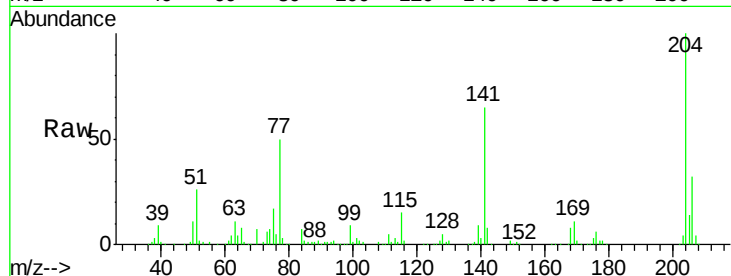




#59
 4-Chlorophenyl-phenylether
 Concen: 15.958 ng/ul
 RT: 16.05 min Scan# 2145
 Delta R.T. -0.00 min
 Lab File: BN000491.D
 Acq: 20 Mar 2018 14:27

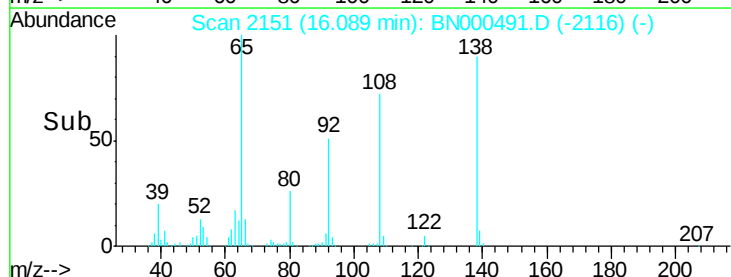
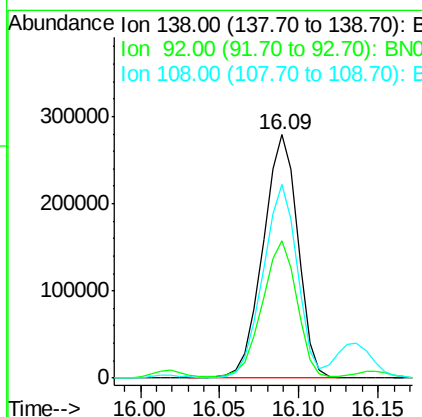
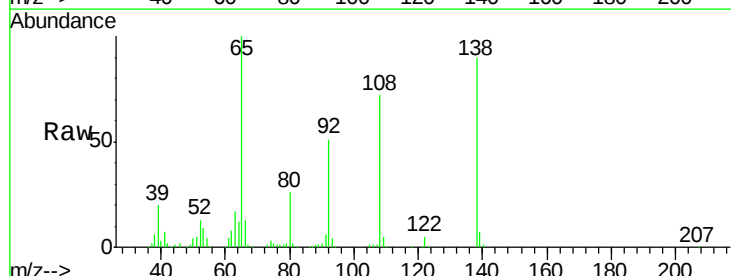
Instrument :
 BNA_N
 ClientSampleId :
 DAM37

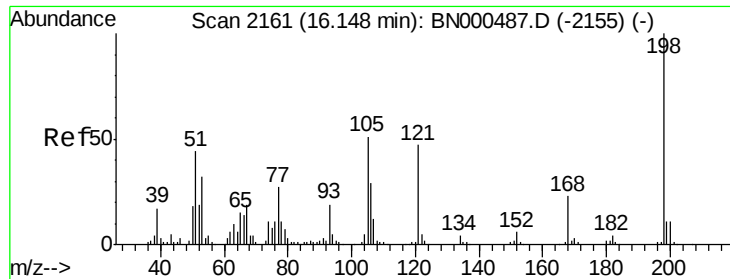
Tot Ion:204 Resp: 322181
 Ion Ratio Lower Upper
 204 100
 206 31.8 26.6 40.0
 141 64.7 40.7 61.1#



#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

Tgt Ion:138 Resp: 429106
 Ion Ratio Lower Upper
 138 100
 92 56.2 38.2 57.4
 108 79.7 70.0 105.0

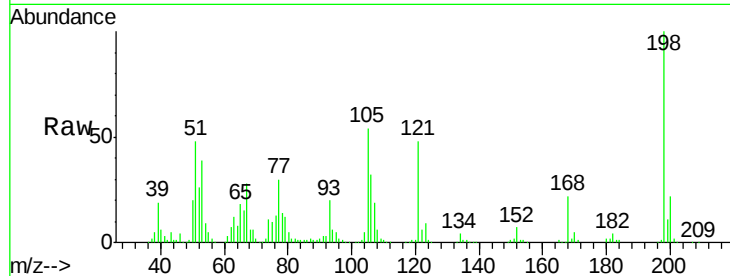




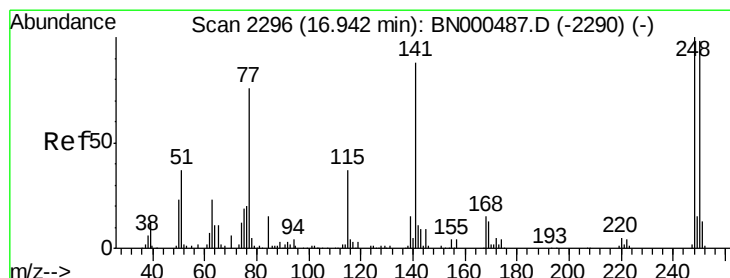
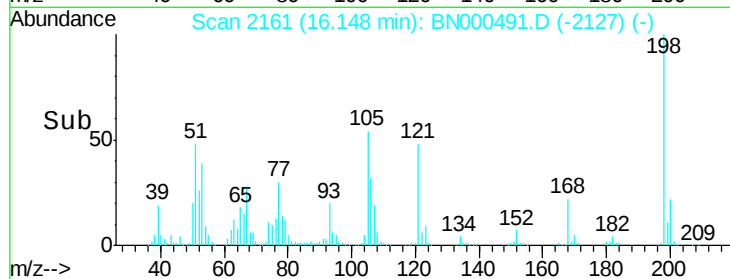
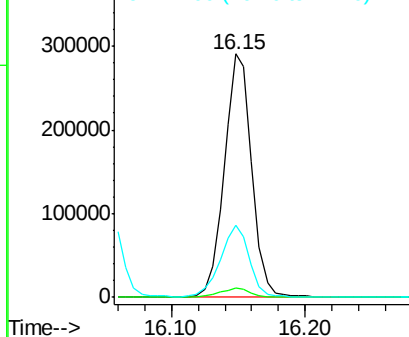
#63
 4,6-Dinitro-2-methylphenol
 Concen: 65.529 ng/ul
 RT: 16.15 min Scan# 2161
 Delta R.T. -0.00 min
 Lab File: BN000491.D
 Acq: 20 Mar 2018 14:27

Instrument :
 BNA_N
 ClientSampleId :
 DAM37

Tot Ion:198 Resp: 416726
 Ion Ratio Lower Upper
 198 100
 182 3.6 3.5 5.3
 77 29.7 18.2 27.4#

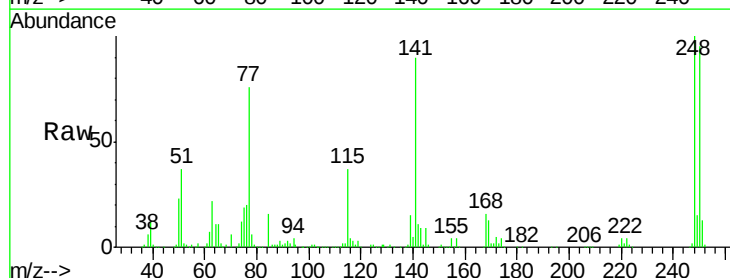


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 77.00 (76.70 to 77.70): BNC

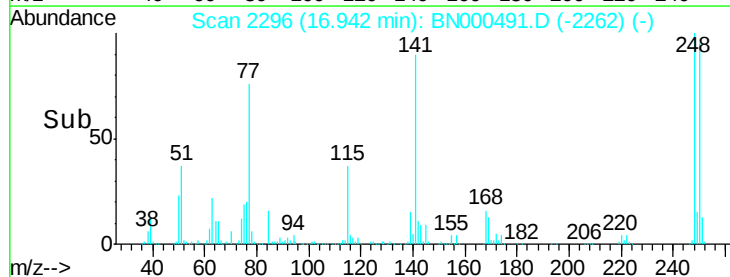
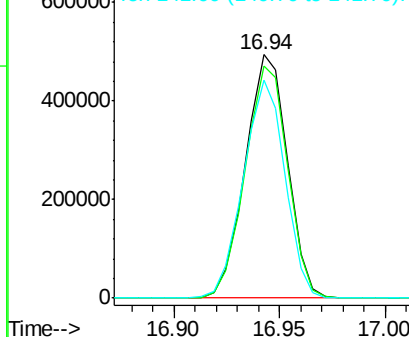


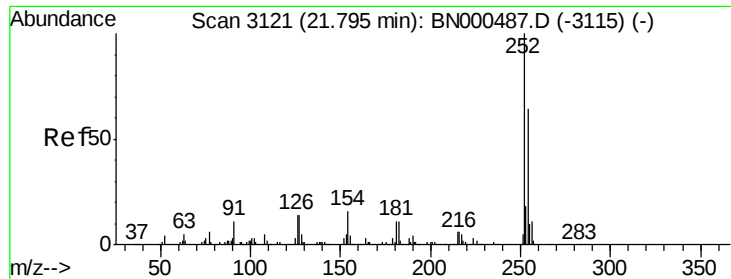
#65
 4-Bromophenyl-phenylether
 Concen: 63.963 ng/ul
 RT: 16.94 min Scan# 2296
 Delta R.T. -0.00 min
 Lab File: BN000491.D
 Acq: 20 Mar 2018 14:27

Tgt 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

Instrument :

BNA_N

ClientSampleId :

DAM37

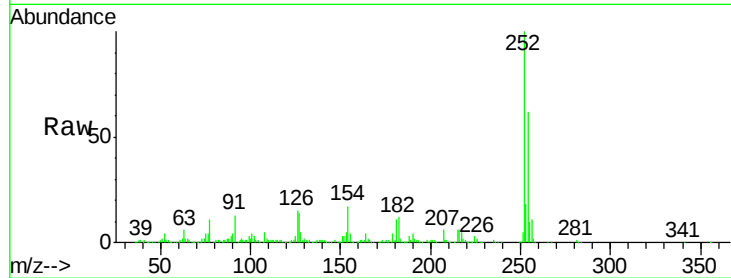
Tot Ion:252 Resp: 476166

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

