

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN071618\
 Data File : BN002052.D
 Acq On : 16 Jul 2018 17:28
 Operator : JU/SJ
 Sample : J3986-02
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 DB1C1

Quant Time: Jul 17 13:11:20 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN071318MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jul 17 00:49:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.70	152	441605	20.00	ng/ul	0.00
18) Naphthalene-d8	10.48	136	2049396	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.34	164	1228849	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.09	188	2799005	20.00	ng/ul	0.00
77) Chrysene-d12	21.29	240	3034106	20.00	ng/ul	0.00
85) Perylene-d12	23.52	264	3137071	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.26	96	61048	6.24	ng/uL	0.00
5) Phenol-d5	6.88	99	1340443	32.23	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.05	67	877871	34.65	ng/ul	0.00
9) 2-Chlorophenol-d4	7.24	132	1052577	32.05	ng/ul	0.00
13) 4-Methylphenol-d8	8.41	113	1133583	33.84	ng/ul	0.00
19) Nitrobenzene-d5	8.85	128	570682	33.61	ng/ul	0.00
22) 2-Nitrophenol-d4	9.57	143	648299	33.77	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.10	165	1115370	32.09	ng/ul	0.00
29) 4-Chloroaniline-d4	10.62	131	1702887	42.62	ng/ul	0.00
43) Dimethylphthalate-d6	13.75	166	3834552	36.81	ng/ul	0.00
46) Acenaphthylene-d8	14.03	160	4542589	35.06	ng/ul	0.00
51) 4-Nitrophenol-d4	14.56	143	769769	38.68	ng/ul	0.00
57) Fluorene-d10	15.33	176	3165846	35.34	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.46	200	727238	39.89	ng/ul	0.00
70) Anthracene-d10	17.19	188	4937906	36.18	ng/ul	0.00
78) Pyrene-d10	19.49	212	5581046	35.38	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.39	264	6334132	37.39	ng/ul	0.00

Target Compounds

					Ovalue	
8) Bis(2-Chloroethyl)ether	7.13	93	628974	19.751	ng/ul#	86
12) 2,2'-oxybis(1-Chloropropan	8.23	45	848246	16.204	ng/ul#	84
16) 4-Methylphenol	8.47	108	1593386	45.719	ng/ul	88
17) Hexachloroethane	8.77	117	735516	56.795	ng/ul	99
20) Nitrobenzene	8.89	77	737526	18.873	ng/ul	95
23) 2-Nitrophenol	9.60	139	758338	38.568	ng/ul	89
24) 2,4-Dimethylphenol	9.67	107	1037329	26.351	ng/ul	99
25) Bis(2-Chloroethoxy)methane	9.90	93	872988	18.547	ng/ul	99
27) 2,4-Dichlorophenol	10.13	162	839860	25.174	ng/ul	99
30) 4-Chloroaniline	10.65	127	2669460	68.023	ng/ul	98
34) 2-Methylnaphthalene	12.15	142	2003852	25.374	ng/ul	99
37) Hexachlorocyclopentadiene	12.50	237	1237538	48.962	ng/ul	99
38) 2,4,6-Trichlorophenol	12.76	196	511088	18.660	ng/ul	99
41) 2-Chloronaphthalene	13.20	162	1207607	15.186	ng/ul	95
42) 2-Nitroaniline	13.42	65	1738608	68.002	ng/ul	86
44) Dimethylphthalate	13.80	163	3372994	33.059	ng/ul	99
45) 2,6-Dinitrotoluene	13.92	165	348849	16.177	ng/ul	99
48) 3-Nitroaniline	14.25	138	1583747	74.509	ng/ul	96
50) 2,4-Dinitrophenol	14.46	184	938660	74.000	ng/ul#	1
52) 4-Nitrophenol	14.57	109	943488	67.836	ng/ul#	74
59) 4-Chlorophenyl-phenylether	15.39	204	777344	16.159	ng/ul	90
60) 4-Nitroaniline	15.42	138	1085366	44.104	ng/ul	90
63) 4,6-Dinitro-2-methylphenol	15.48	198	1222727	64.779	ng/ul	96

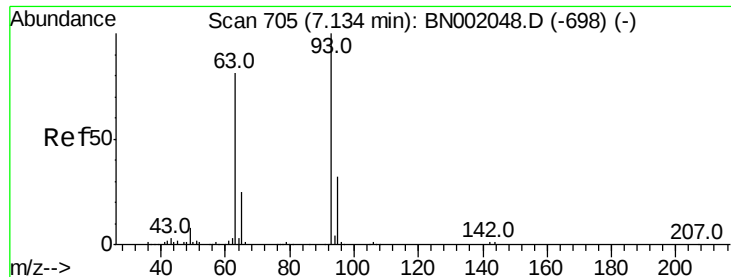
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN071618\
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Quant Title : SVOA CALIBRATION
QLast Update : Tue Jul 17 00:49:33 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) 4-Bromophenyl-phenylether	16.28	248	1846686	59.959	ng/ul	92
81) 3,3'-Dichlorobenzidine	21.20	252	1766356	27.455	ng/ul	99

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



#8

Bis(2-Chloroethyl)ether

Concen: 19.751 ng/ul

RT: 7.13 min Scan# 705

Delta R.T. 0.00 min

Lab File: BN002052.D

Acq: 16 Jul 2018 17:28

Instrument :

BNA_N

ClientSampled :

DB1C1

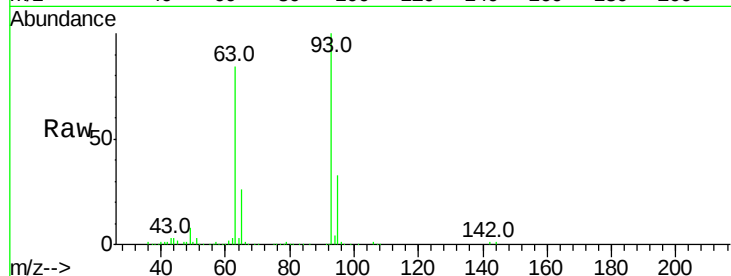
Tot Ion: 93 Resp: 628974

Ion Ratio Lower Upper

93 100

63 83.7 53.5 80.3#

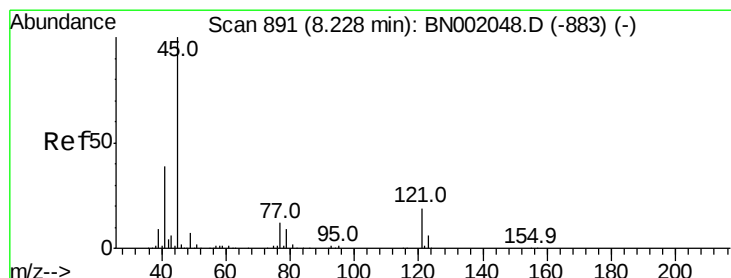
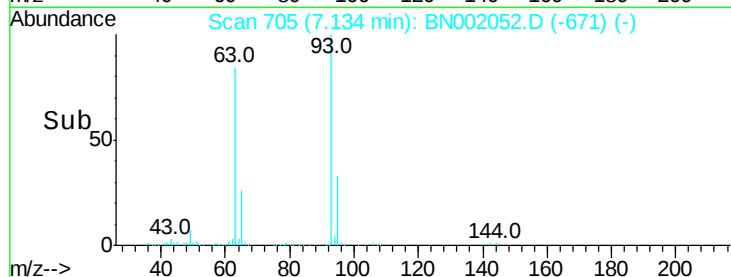
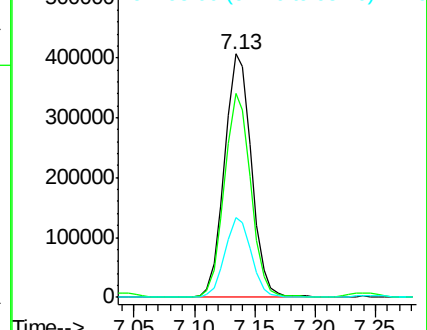
95 32.9 26.2 39.2



Abundance Ion 93.00 (92.70 to 93.70): BN002048.D (-698) (-)

Ion 63.00 (62.70 to 63.70): BN002048.D (-698) (-)

Ion 95.00 (94.70 to 95.70): BN002048.D (-698) (-)



#12

2,2'-oxybis(1-Chloropropane)

Concen: 16.204 ng/ul

RT: 8.23 min Scan# 891

Delta R.T. 0.00 min

Lab File: BN002052.D

Acq: 16 Jul 2018 17:28

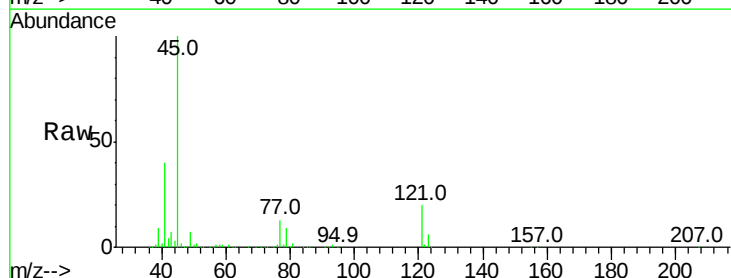
Tgt Ion: 45 Resp: 848246

Ion Ratio Lower Upper

45 100

77 12.6 15.9 23.9#

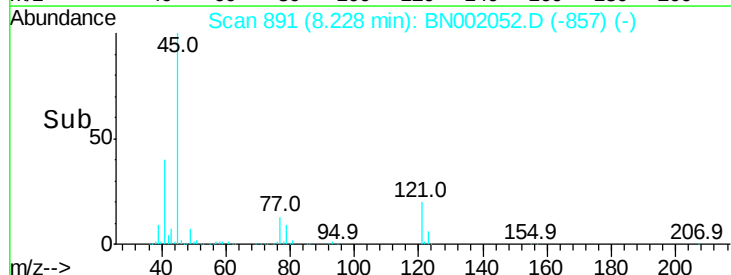
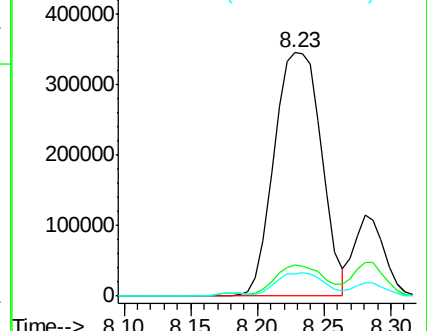
79 9.3 12.5 18.7#

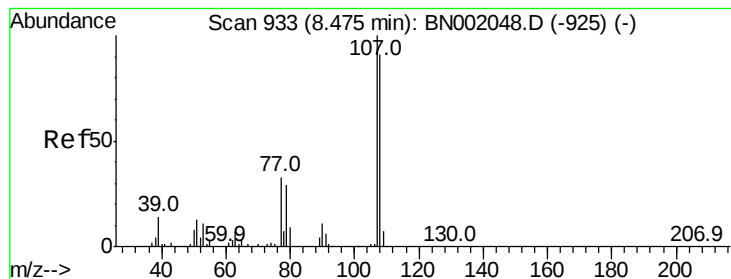


Abundance Ion 45.00 (44.70 to 45.70): BN002048.D (-883) (-)

Ion 77.00 (76.70 to 77.70): BN002048.D (-883) (-)

Ion 79.00 (78.70 to 79.70): BN002048.D (-883) (-)





#16

4-Methylphenol

Concen: 45.719 ng/ul

RT: 8.47 min Scan# 932

Delta R.T. -0.01 min

Lab File: BN002052.D

Acq: 16 Jul 2018 17:28

Instrument :

BNA_N

ClientSampleId :

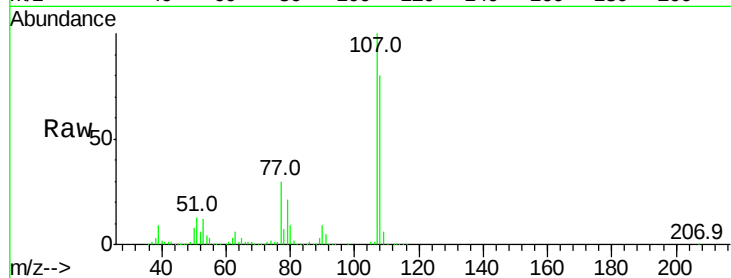
DB1C1

Tot Ion:108 Resp: 1593386

Ion Ratio Lower Upper

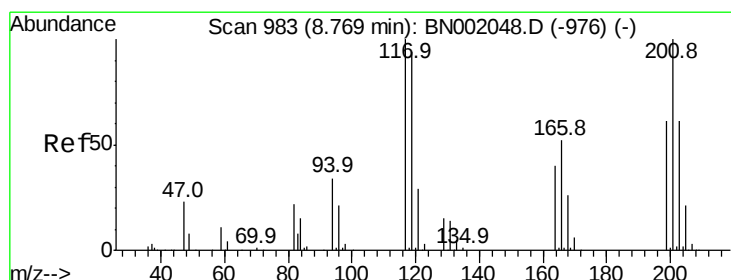
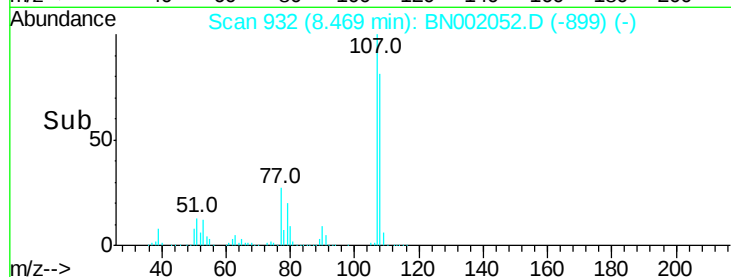
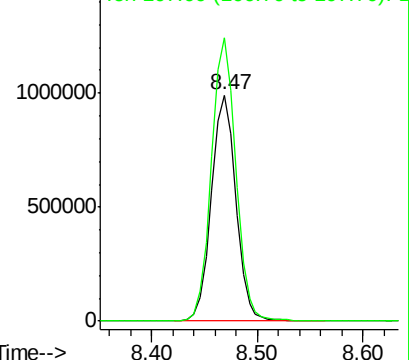
108 100

107 125.4 90.3 135.5



Abundance Ion 108.00 (107.70 to 108.70): E

Ion 107.00 (106.70 to 107.70): E



#17

Hexachloroethane

Concen: 56.795 ng/ul

RT: 8.77 min Scan# 983

Delta R.T. 0.00 min

Lab File: BN002052.D

Acq: 16 Jul 2018 17:28

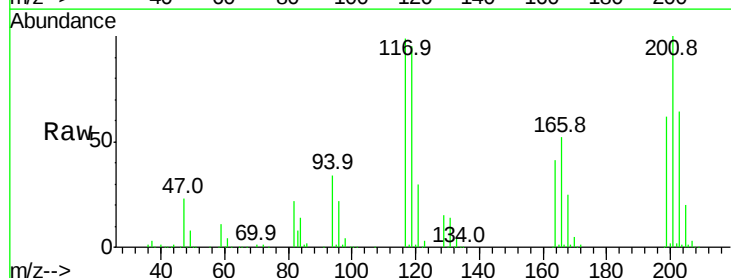
Tgt Ion:117 Resp: 735516

Ion Ratio Lower Upper

117 100

201 101.1 81.5 122.3

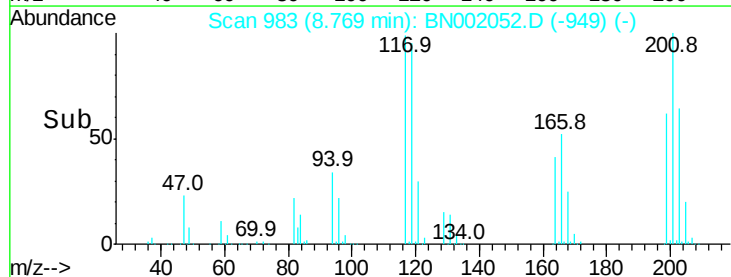
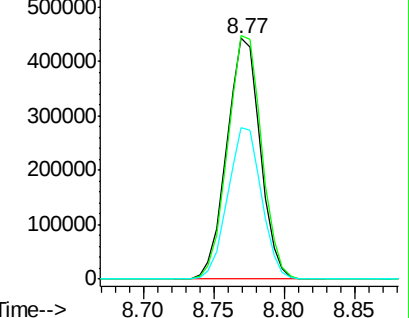
199 62.8 50.6 76.0

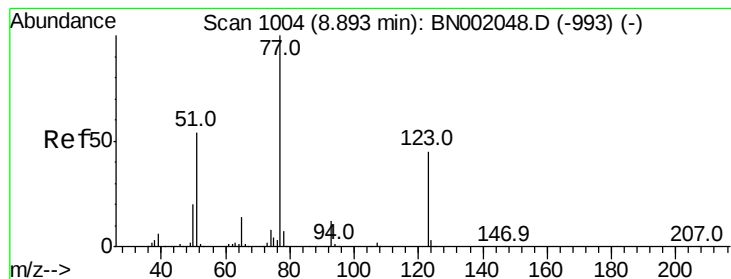


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 201.00 (200.70 to 201.70): E

Ion 199.00 (198.70 to 199.70): E





#20

Nitrobenzene

Concen: 18.873 ng/ul

RT: 8.89 min Scan# 1004

Delta R.T. 0.00 min

Lab File: BN002052.D

Acq: 16 Jul 2018 17:28

Instrument :

BNA_N

ClientSampled :

DB1C1

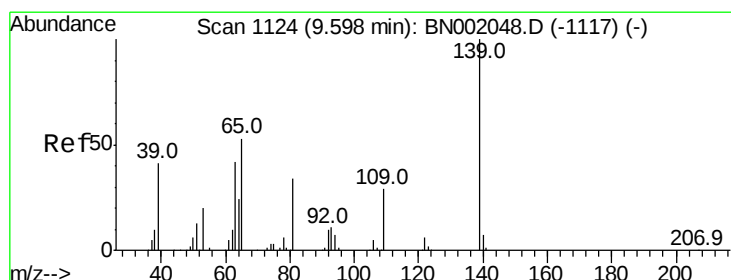
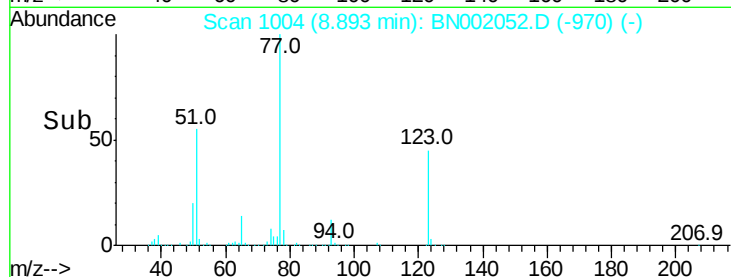
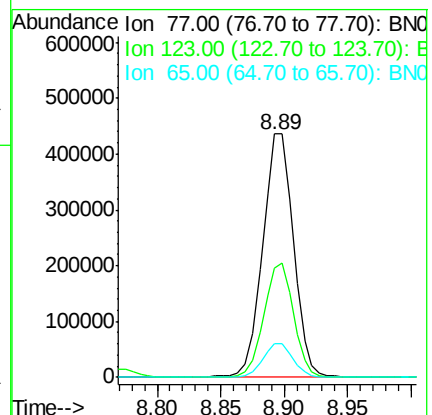
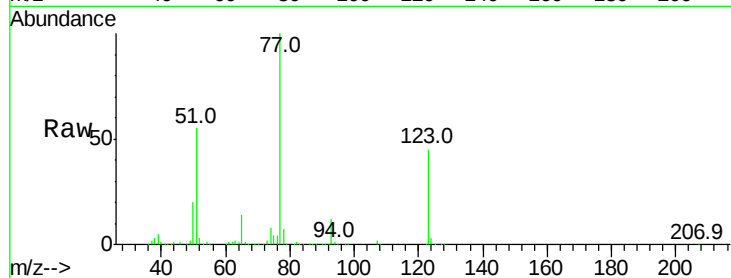
Tot Ion: 77 Resp: 737526

Ion Ratio Lower Upper

77 100

123 44.6 39.0 58.4

65 13.9 10.4 15.6



#23

2-Nitrophenol

Concen: 38.568 ng/ul

RT: 9.60 min Scan# 1124

Delta R.T. 0.00 min

Lab File: BN002052.D

Acq: 16 Jul 2018 17:28

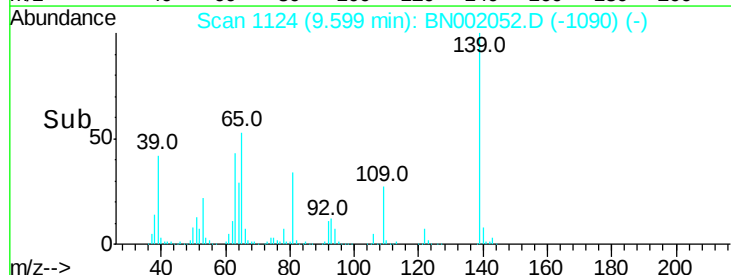
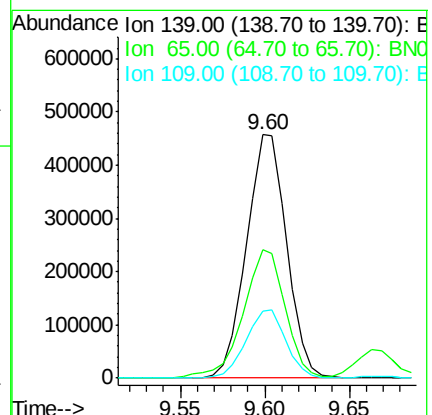
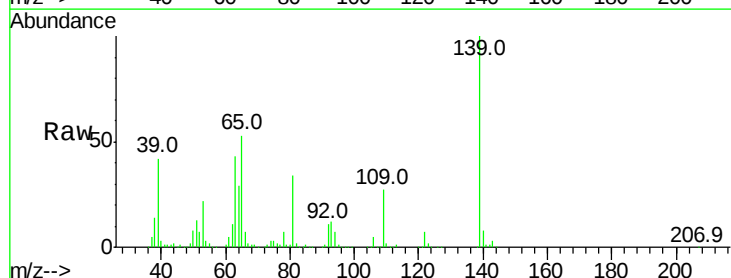
Tgt Ion: 139 Resp: 758338

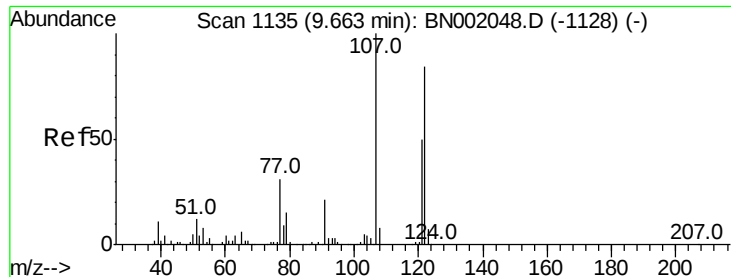
Ion Ratio Lower Upper

139 100

65 52.8 36.3 54.5

109 27.4 26.4 39.6

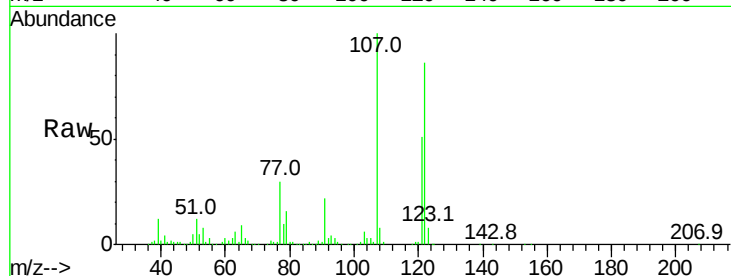




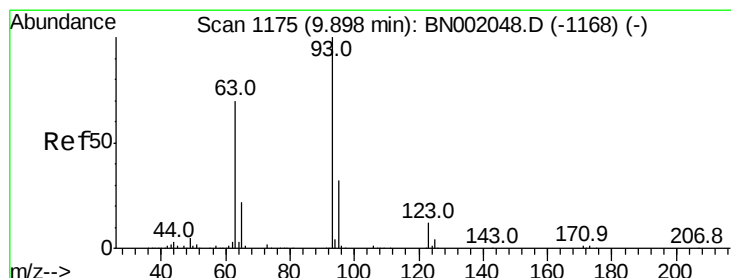
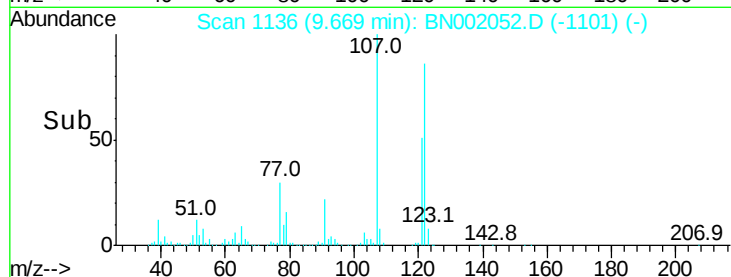
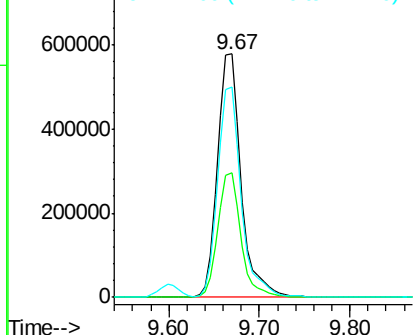
#24
 2,4-Dimethylphenol
 Concen: 26.351 ng/ul
 RT: 9.67 min Scan# 1136
 Delta R.T. 0.01 min
 Lab File: BN002052.D
 Acq: 16 Jul 2018 17:28

Instrument :
 BNA_N
 ClientSampleId :
 DB1C1

Tot Ion:107 Resp: 1037329
 Ion Ratio Lower Upper
 107 100
 121 51.0 40.6 61.0
 122 86.2 67.8 101.6

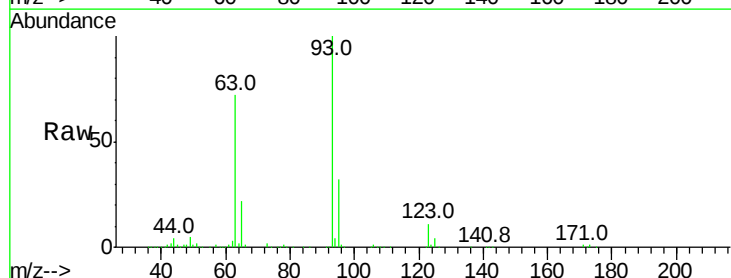


Abundance Ion 107.00 (106.70 to 107.70): E
 Ion 121.00 (120.70 to 121.70): E
 Ion 122.00 (121.70 to 122.70): E

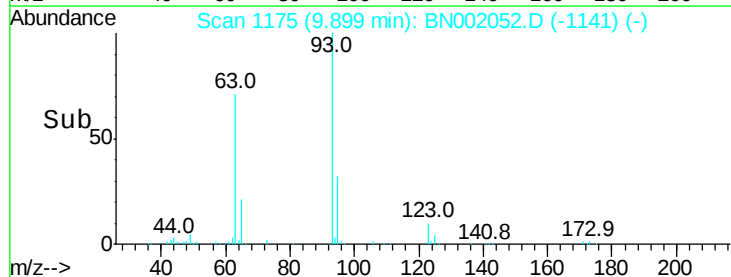
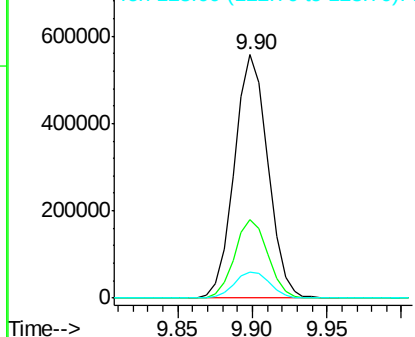


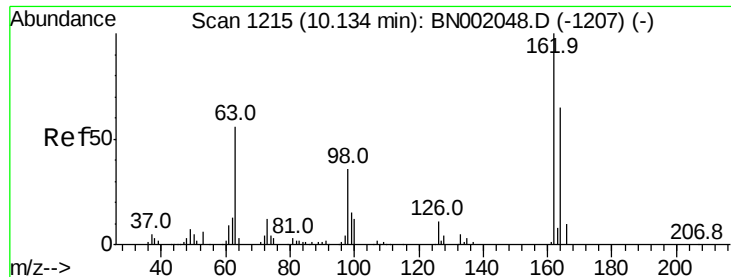
#25
 Bis(2-Chloroethoxy)methane
 Concen: 18.547 ng/ul
 RT: 9.90 min Scan# 1175
 Delta R.T. 0.00 min
 Lab File: BN002052.D
 Acq: 16 Jul 2018 17:28

Tgt Ion: 93 Resp: 872988
 Ion Ratio Lower Upper
 93 100
 95 32.3 25.8 38.8
 123 10.9 9.8 14.8



Abundance Ion 93.00 (92.70 to 93.70): BNC
 Ion 95.00 (94.70 to 95.70): BNC
 Ion 123.00 (122.70 to 123.70): E





#27

2,4-Dichlorophenol

Concen: 25.174 ng/ul

RT: 10.13 min Scan# 1215

Delta R.T. 0.00 min

Lab File: BN002052.D

Acq: 16 Jul 2018 17:28

Instrument :

BNA_N

ClientSampleId :

DB1C1

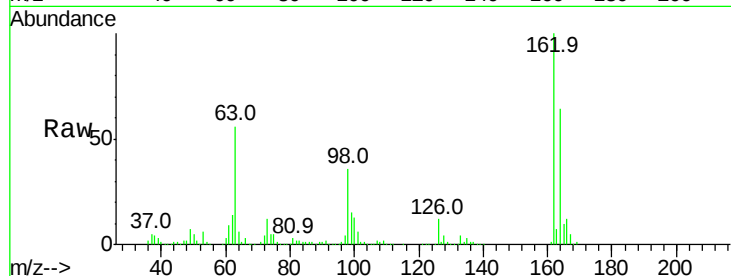
Tot Ion:162 Resp: 839860

Ion Ratio Lower Upper

162 100

164 64.2 52.1 78.1

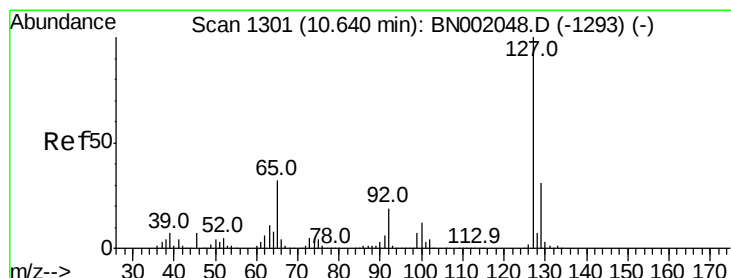
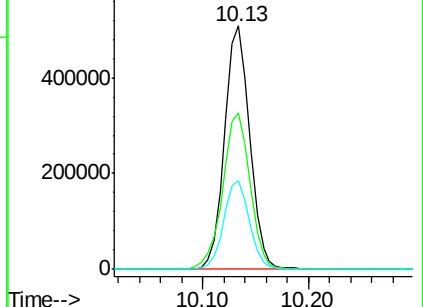
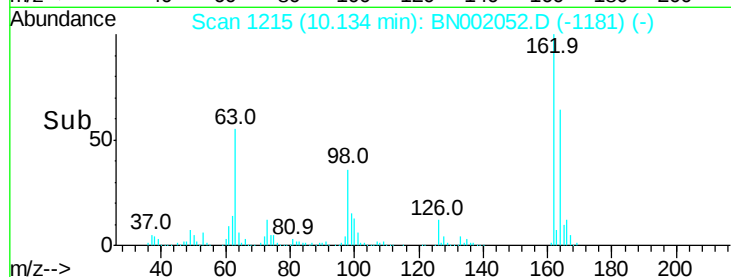
98 36.3 28.4 42.6



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



#30

4-Chloroaniline

Concen: 68.023 ng/ul

RT: 10.65 min Scan# 1302

Delta R.T. 0.01 min

Lab File: BN002052.D

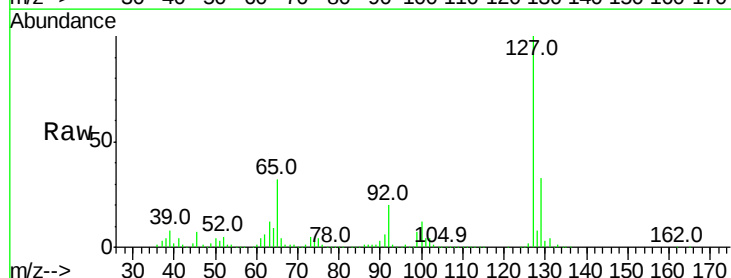
Acq: 16 Jul 2018 17:28

Tgt Ion:127 Resp: 2669460

Ion Ratio Lower Upper

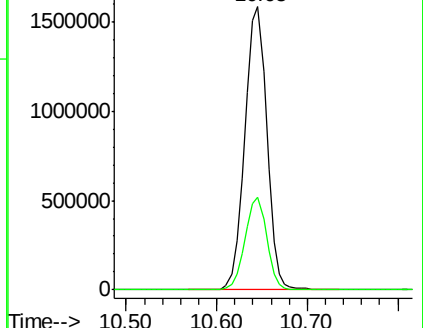
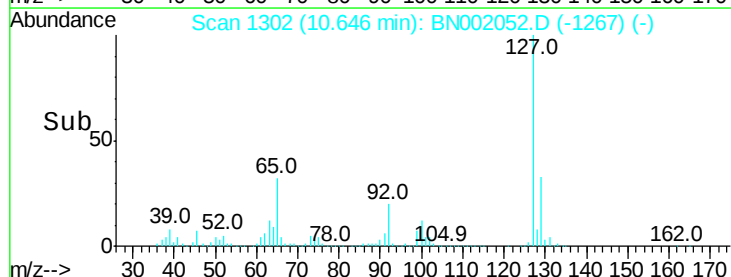
127 100

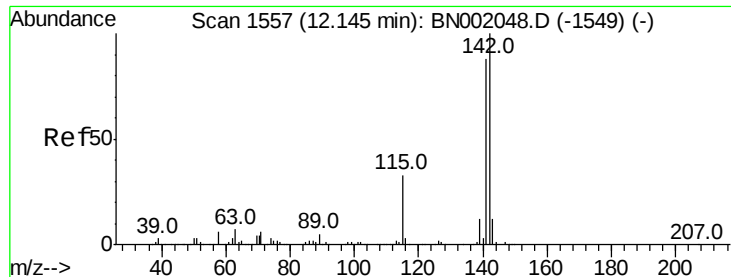
129 32.8 25.4 38.2



Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E





#34

2-Methylnaphthalene

Concen: 25.374 ng/ul

RT: 12.15 min Scan# 1557

Delta R.T. 0.00 min

Lab File: BN002052.D

Acq: 16 Jul 2018 17:28

Instrument :

BNA_N

ClientSampleId :

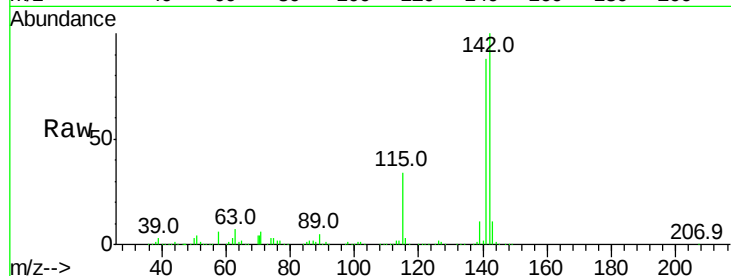
DB1C1

Tot Ion:142 Resp: 2003852

Ion Ratio Lower Upper

142 100

141 88.2 71.6 107.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

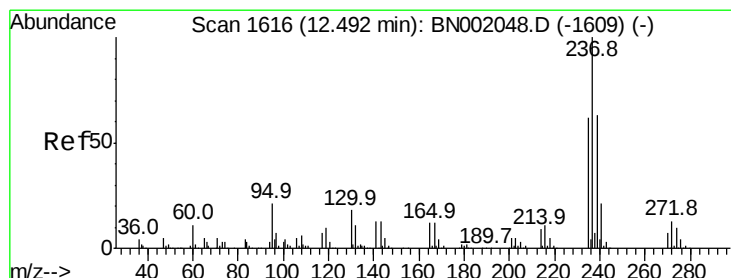
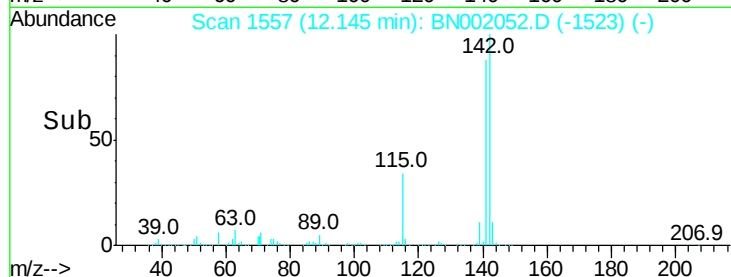
12.15

1000000

500000

0

Time-->



#37

Hexachlorocyclopentadiene

Concen: 48.962 ng/ul

RT: 12.50 min Scan# 1617

Delta R.T. 0.01 min

Lab File: BN002052.D

Acq: 16 Jul 2018 17:28

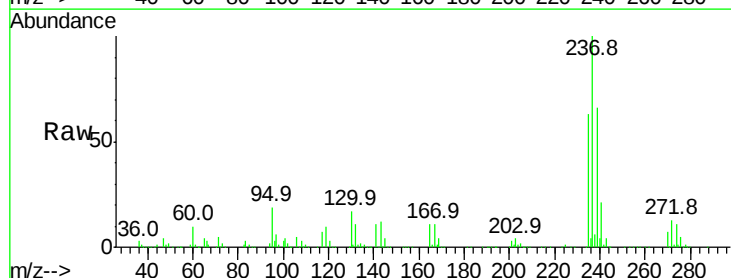
Tgt Ion:237 Resp: 1237538

Ion Ratio Lower Upper

237 100

235 63.2 50.4 75.6

272 13.3 9.6 14.4



Abundance Ion 237.00 (236.70 to 237.70): E

Ion 235.00 (234.70 to 235.70): E

Ion 272.00 (271.70 to 272.70): E

12.50

1000000

800000

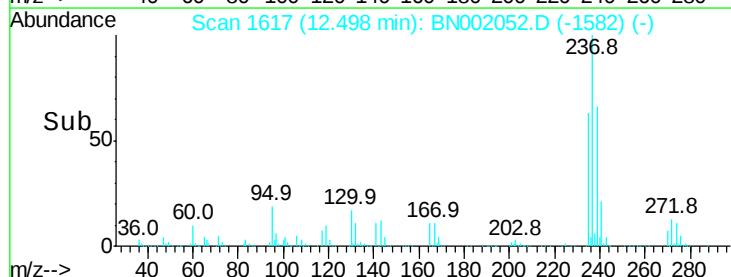
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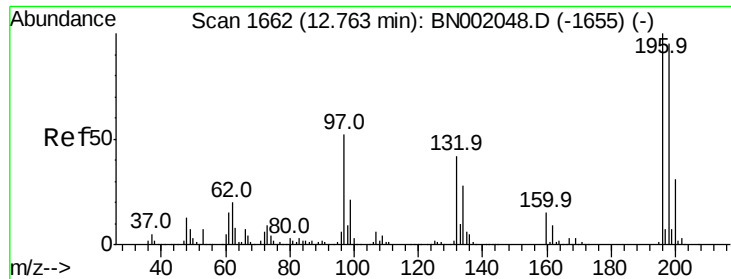
400000

200000

0

Time-->

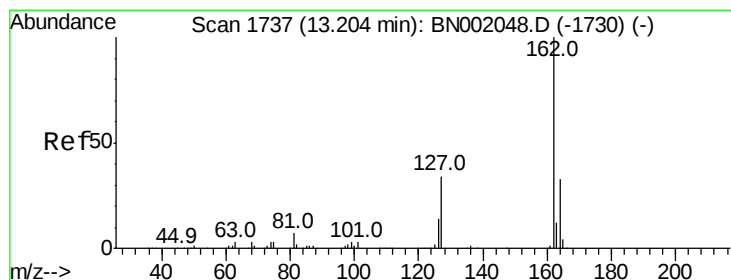
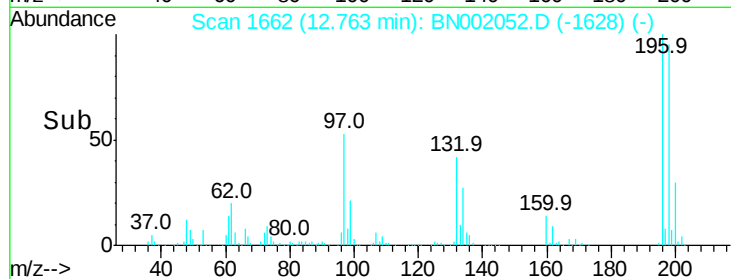
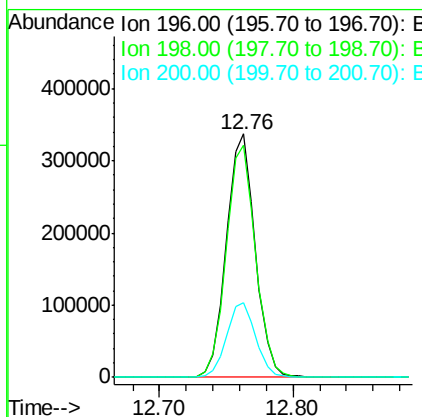
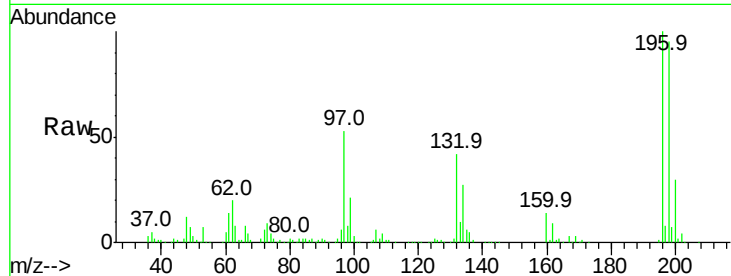




#38
 2,4,6-Trichlorophenol
 Concen: 18.660 ng/uL
 RT: 12.76 min Scan# 1662
 Delta R.T. 0.00 min
 Lab File: BN002052.D
 Acq: 16 Jul 2018 17:28

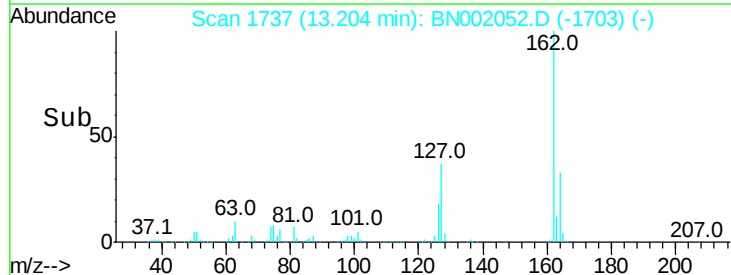
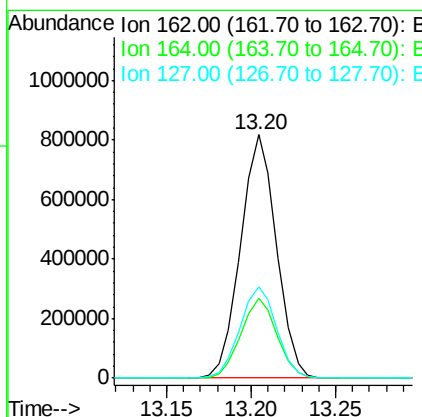
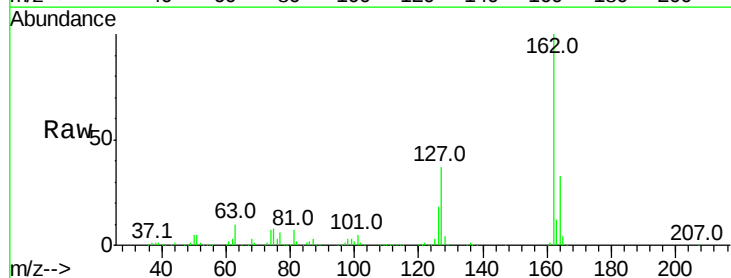
Instrument :
 BNA_N
 ClientSampleId :
 DB1C1

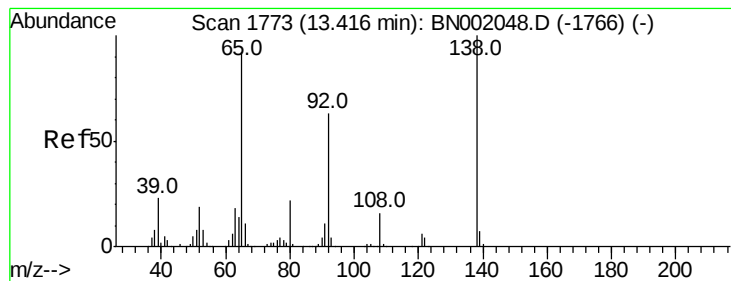
Tot Ion:196 Resp: 511088
 Ion Ratio Lower Upper
 196 100
 198 95.1 76.6 114.8
 200 30.4 24.7 37.1



#41
 2-Chloronaphthalene
 Concen: 15.186 ng/uL
 RT: 13.20 min Scan# 1737
 Delta R.T. 0.00 min
 Lab File: BN002052.D
 Acq: 16 Jul 2018 17:28

Tgt Ion:162 Resp: 1207607
 Ion Ratio Lower Upper
 162 100
 164 32.8 25.9 38.9
 127 37.4 34.1 51.1





#42

2-Nitroaniline

Concen: 68.002 ng/ul

RT: 13.42 min Scan# 1774

Delta R.T. 0.01 min

Lab File: BN002052.D

Acq: 16 Jul 2018 17:28

Instrument :

BNA_N

ClientSampleId :

DB1C1

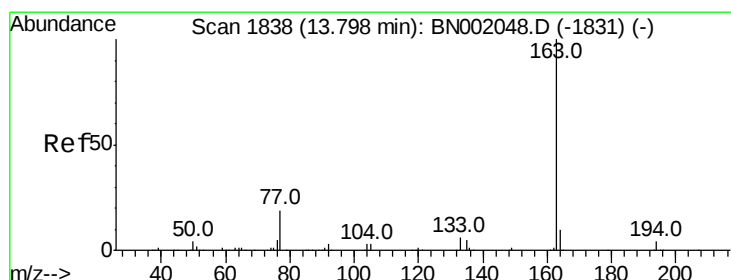
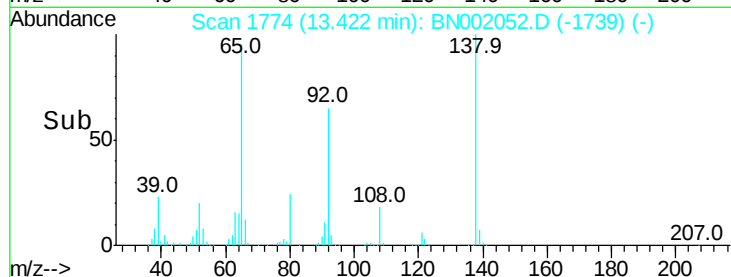
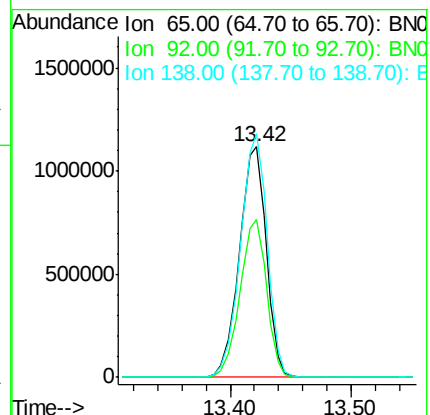
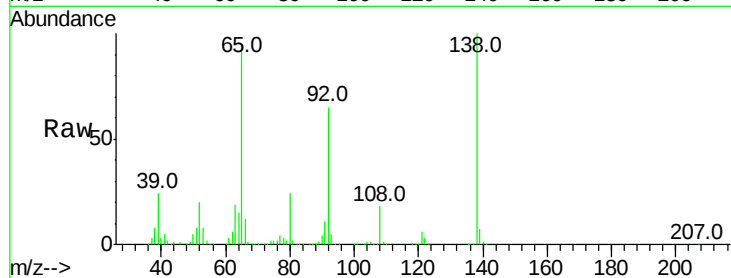
Tot Ion: 65 Resp: 1738608

Ion Ratio Lower Upper

65 100

92 68.3 60.4 90.6

138 105.7 99.8 149.6



#44

Dimethylphthalate

Concen: 33.059 ng/ul

RT: 13.80 min Scan# 1838

Delta R.T. 0.00 min

Lab File: BN002052.D

Acq: 16 Jul 2018 17:28

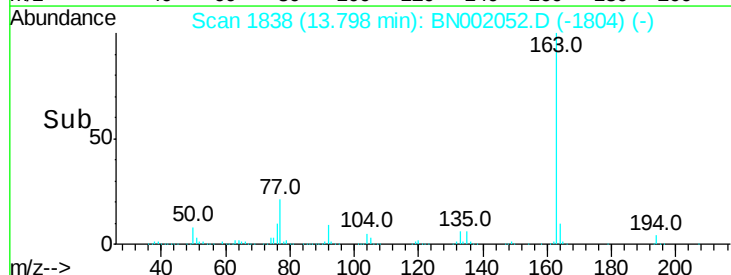
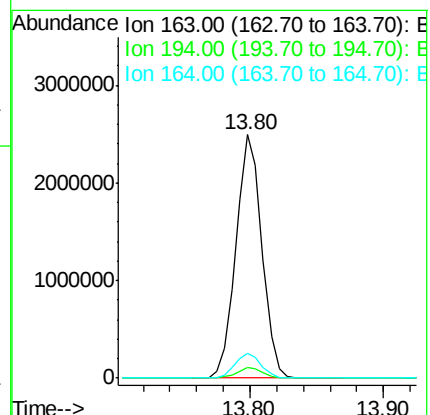
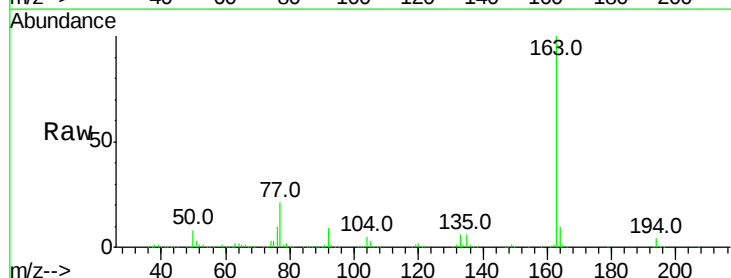
Tgt Ion:163 Resp: 3372994

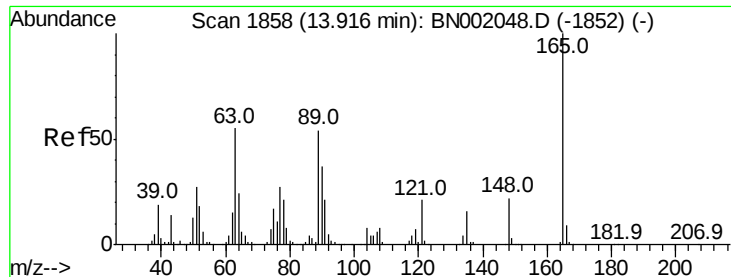
Ion Ratio Lower Upper

163 100

194 4.1 3.2 4.8

164 10.2 7.8 11.8

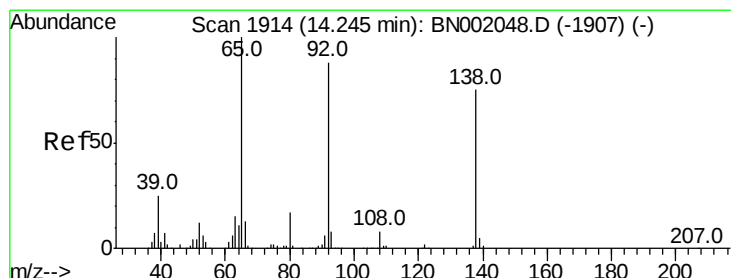
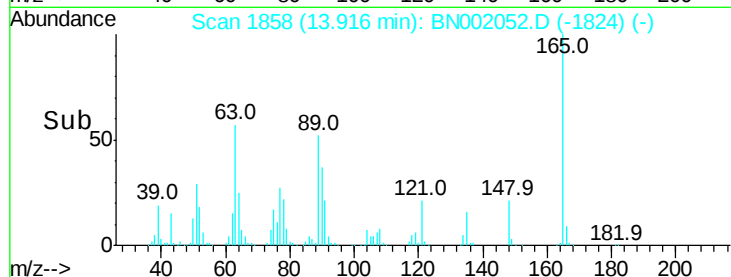
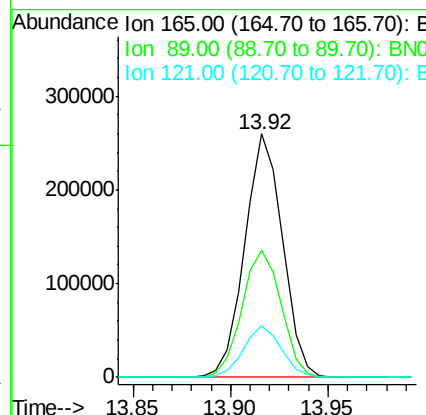
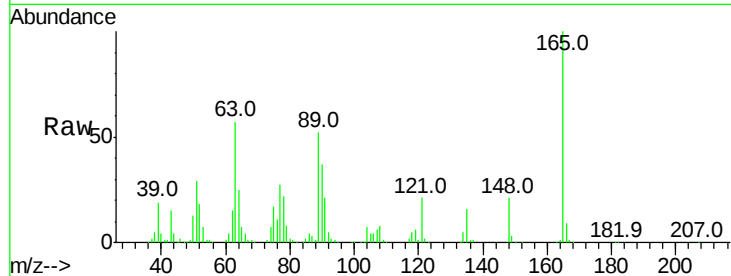




#45
 2,6-Dinitrotoluene
 Concen: 16.177 ng/ul
 RT: 13.92 min Scan# 1858
 Delta R.T. 0.00 min
 Lab File: BN002052.D
 Acq: 16 Jul 2018 17:28

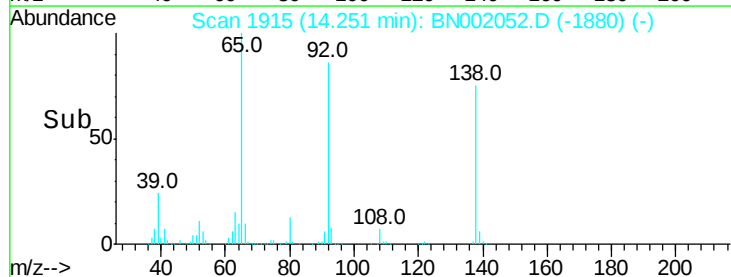
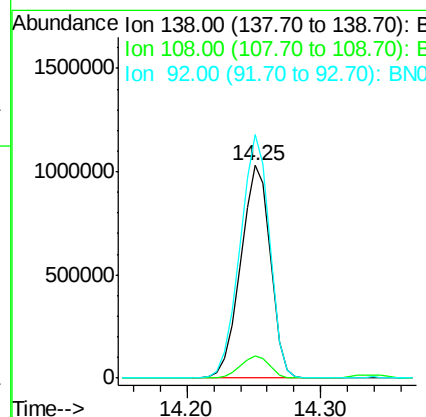
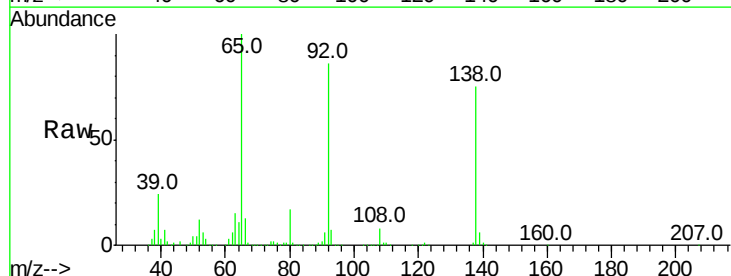
Instrument :
 BNA_N
 ClientSampled :
 DB1C1

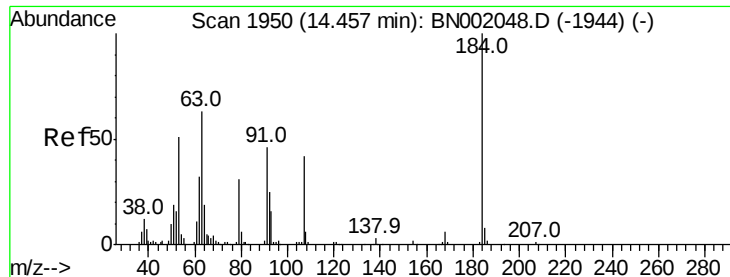
Tot Ion	Ratio	Lower	Upper
165	100		
89	52.0	42.4	63.6
121	21.4	16.6	24.8



#48
 3-Nitroaniline
 Concen: 74.509 ng/ul
 RT: 14.25 min Scan# 1915
 Delta R.T. 0.01 min
 Lab File: BN002052.D
 Acq: 16 Jul 2018 17:28

Tgt Ion	Ratio	Lower	Upper
138	100		
108	10.2	8.7	13.1
92	114.4	88.2	132.4

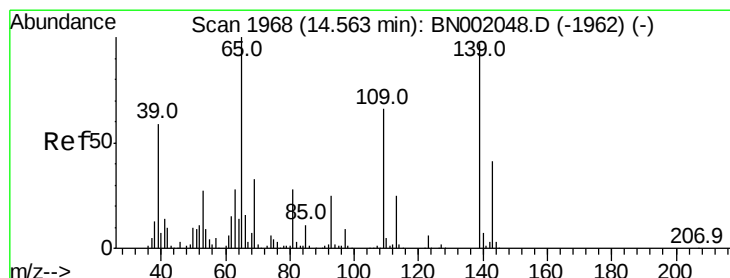
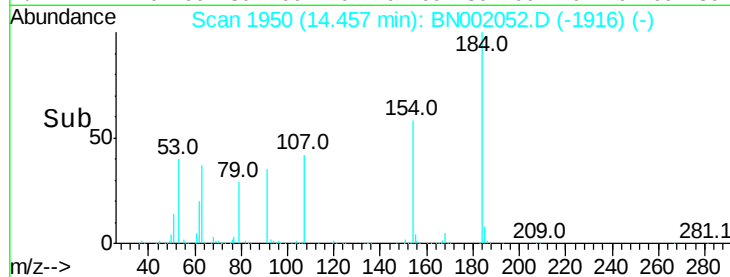
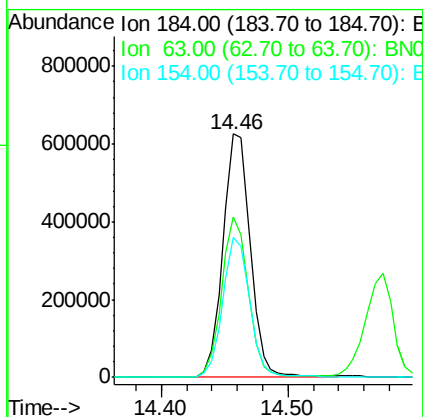
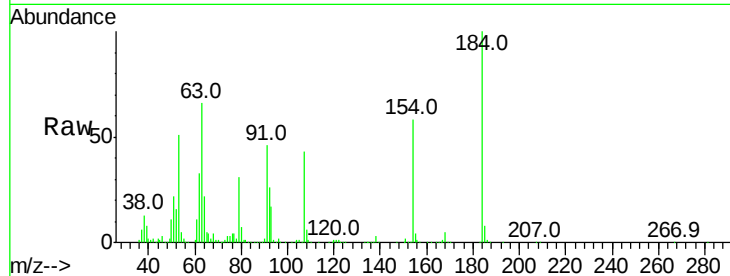




#50
2,4-Dinitrophenol
Concen: 74.000 ng/ul
RT: 14.46 min Scan# 1950
Delta R.T. 0.00 min
Lab File: BN002052.D
Acq: 16 Jul 2018 17:28

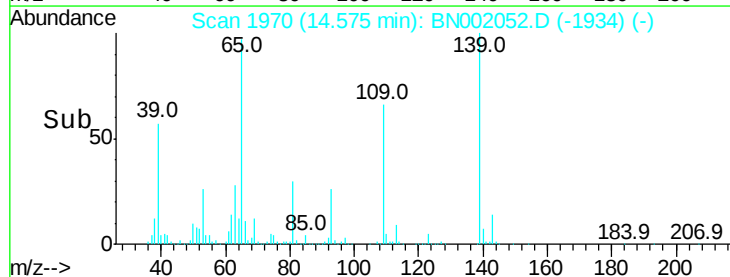
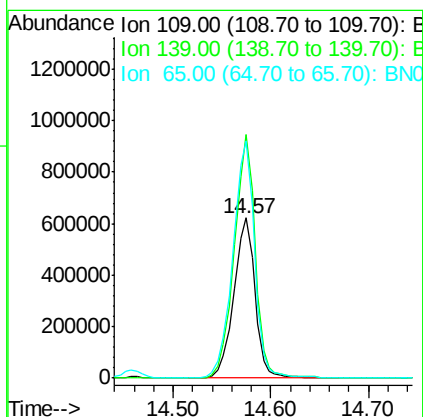
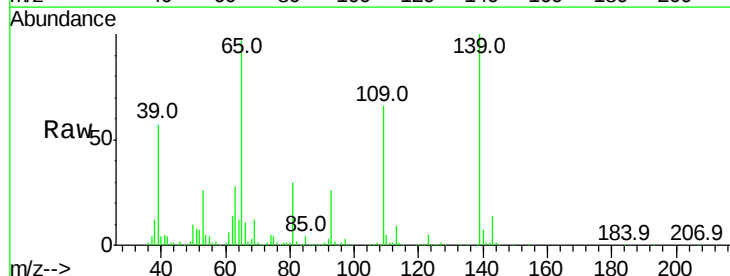
Instrument :
BNA_N
ClientSampleId :
DB1C1

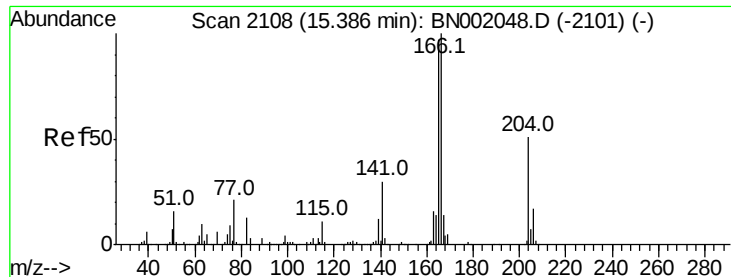
Tot Ion:184 Resp: 938660
Ion Ratio Lower Upper
184 100
63 65.6 76.0 114.0#
154 57.5 300.0 450.0#



#52
4-Nitrophenol
Concen: 67.836 ng/ul
RT: 14.57 min Scan# 1970
Delta R.T. 0.01 min
Lab File: BN002052.D
Acq: 16 Jul 2018 17:28

Tgt Ion:109 Resp: 943488
Ion Ratio Lower Upper
109 100
139 151.9 103.7 155.5
65 147.9 89.4 134.2#





#59

4-Chlorophenyl-phenylether

Concen: 16.159 ng/ul

RT: 15.39 min Scan# 2108

Delta R.T. 0.00 min

Lab File: BN002052.D

Acq: 16 Jul 2018 17:28

Instrument :

BNA_N

ClientSampled :

DB1C1

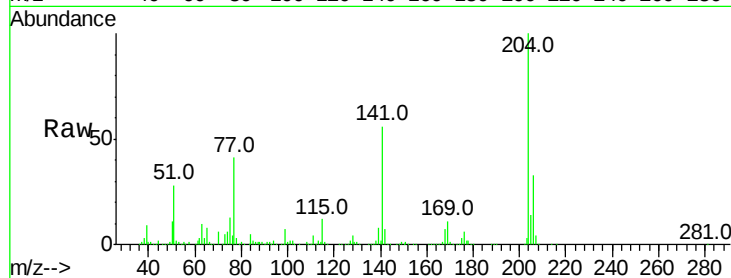
Tot Ion:204 Resp: 777344

Ion Ratio Lower Upper

204 100

206 33.0 26.2 39.4

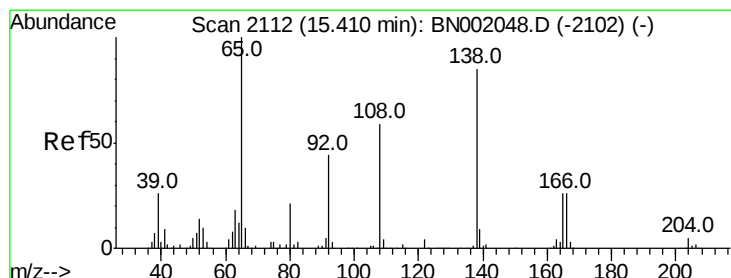
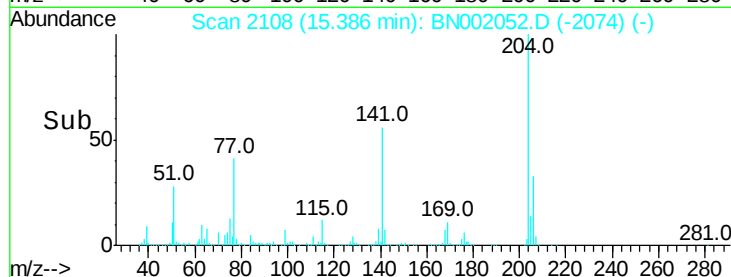
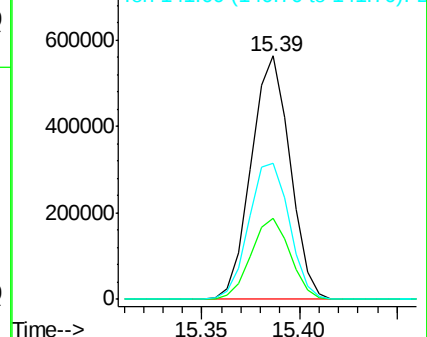
141 56.0 54.6 81.8



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: 44.104 ng/ul

RT: 15.42 min Scan# 2114

Delta R.T. 0.01 min

Lab File: BN002052.D

Acq: 16 Jul 2018 17:28

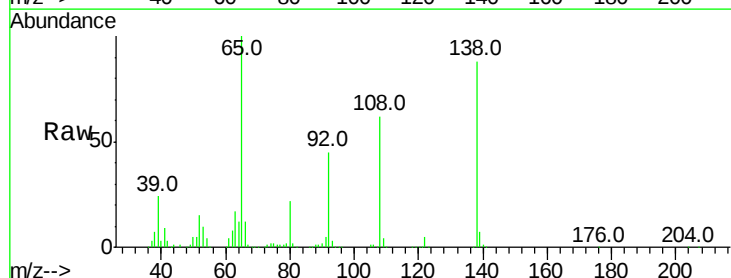
Tgt Ion:138 Resp: 1085366

Ion Ratio Lower Upper

138 100

92 51.1 40.6 60.8

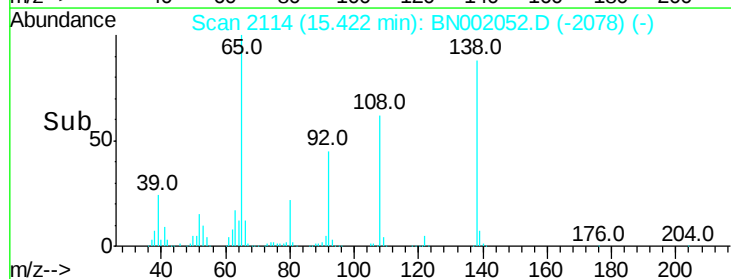
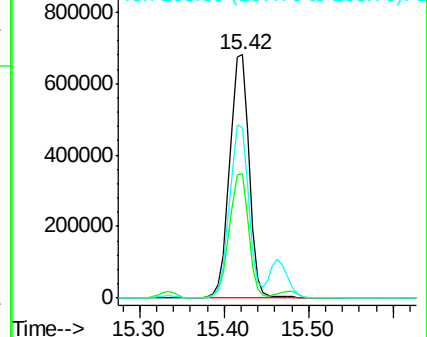
108 70.0 67.0 100.6

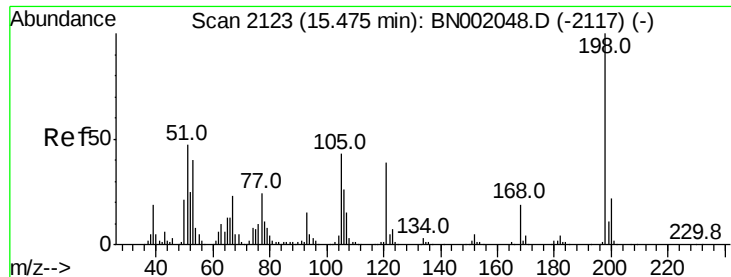


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BNC

Ion 108.00 (107.70 to 108.70): E

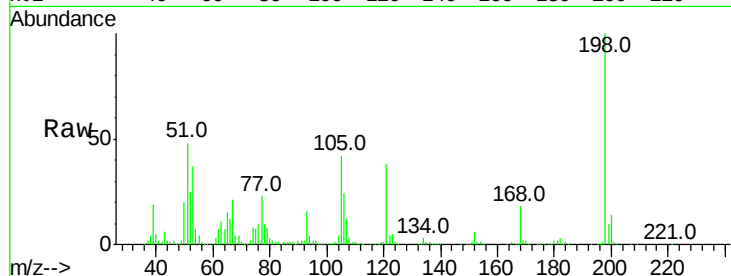




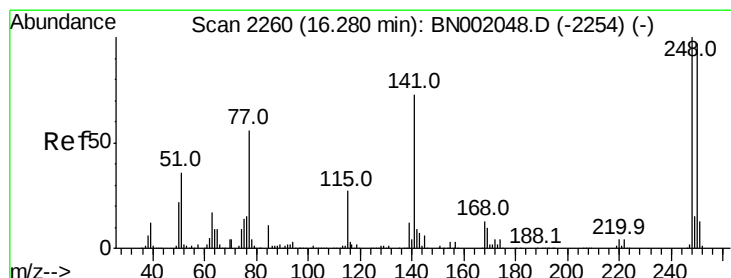
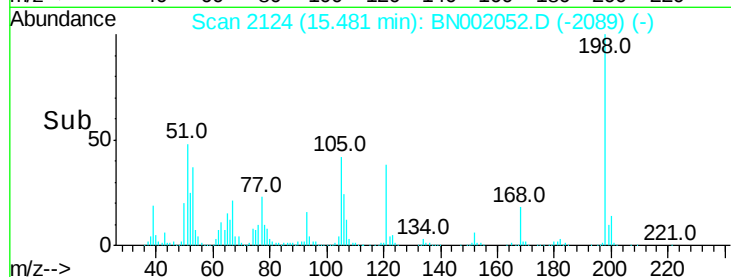
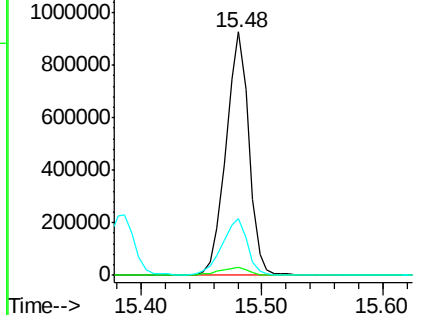
#63
 4,6-Dinitro-2-methylphenol
 Concen: 64.779 ng/ul
 RT: 15.48 min Scan# 2124
 Delta R.T. 0.01 min
 Lab File: BN002052.D
 Acq: 16 Jul 2018 17:28

Instrument :
 BNA_N
 ClientSampleId :
 DB1C1

Tot Ion:198 Resp: 1222727
 Ion Ratio Lower Upper
 198 100
 182 3.3 3.1 4.7
 77 23.1 20.1 30.1

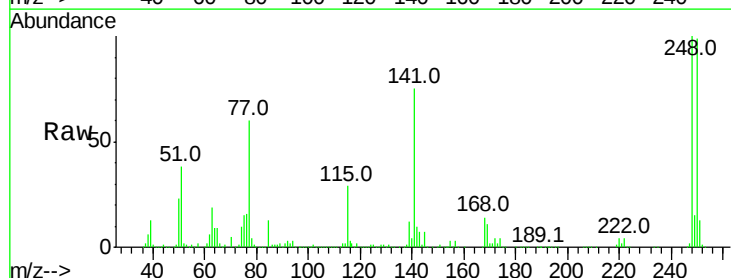


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 77.00 (76.70 to 77.70): BNC

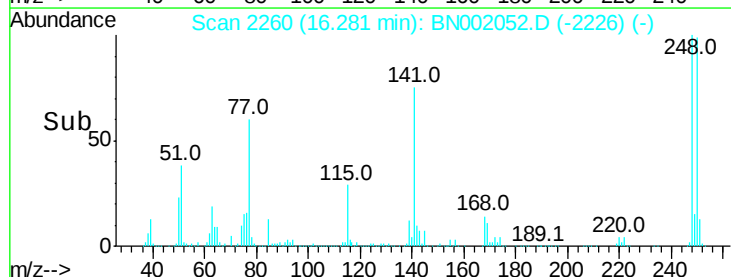
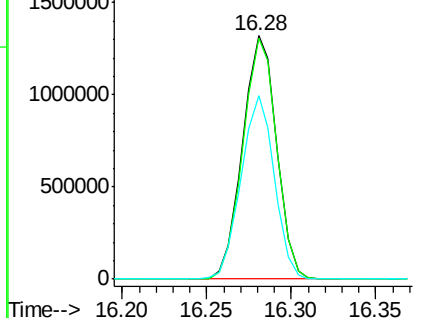


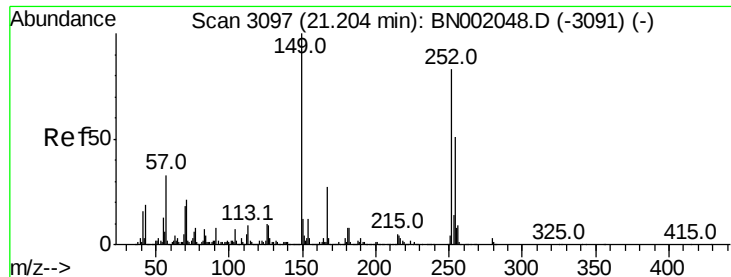
#65
 4-Bromophenyl-phenylether
 Concen: 59.959 ng/ul
 RT: 16.28 min Scan# 2260
 Delta R.T. 0.00 min
 Lab File: BN002052.D
 Acq: 16 Jul 2018 17:28

Tgt Ion:248 Resp: 1846686
 Ion Ratio Lower Upper
 248 100
 250 99.0 78.7 118.1
 141 75.4 72.2 108.2



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

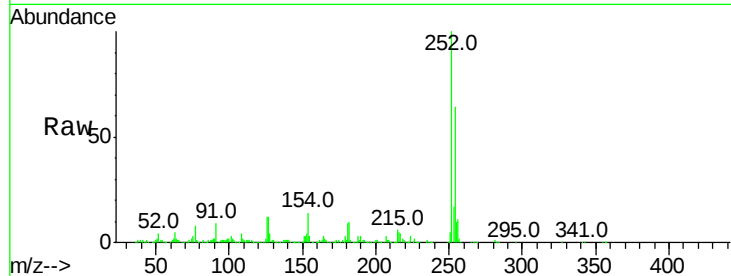




#81
 3,3'-Dichlorobenzidine
 Concen: 27.455 ng/ul
 RT: 21.20 min Scan# 3097
 Delta R.T. 0.00 min
 Lab File: BN002052.D
 Acq: 16 Jul 2018 17:28

Instrument :
 BNA_N
 ClientSampleId :
 DB1C1

Tot Ion:252 Resp: 1766356
 Ion Ratio Lower Upper
 252 100
 254 64.3 52.2 78.2
 126 12.0 9.4 14.2



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

