

Data Path : Z:\HPCHEM1\BNA N\DATA\BN032118\
 Data File : BN000515.D
 Acq On : 21 Mar 2018 12:26
 Operator : JU/SJ
 Sample : J1905-11
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Mar 22 01:34:48 2018
 Quant Method : Z:\HPCHEM1\BNA N\METHODS\SOM-EPA-BN031918.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Mar 22 01:34:06 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.44	152	182225	20.00	ng/ul	0.03
18) Naphthalene-d8	11.29	136	386061	20.00	ng/ul	0.04
35) Acenaphthene-d10	15.07	164	307799	20.00	ng/ul	0.04
61) Phenanthrene-d10	17.84	188	7703	20.00	ng/ul	0.08
75) Chrysene-d12	21.96	240	1426	20.00	ng/ul	0.08
83) Perylene-d12	24.40	264	621290	20.00	ng/ul	0.04
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.60	96	33466	6.56	ng/uL	0.00
5) Phenol-d5	7.61	99	121332	7.14	ng/ul	0.05
7) Bis-(2-Chloroethyl)ether-d	7.74	67	674681	68.80	ng/ul	0.02
9) 2-Chlorophenol-d4	8.00	132	259513	20.19	ng/ul	0.06
13) 4-Methylphenol-d8	9.12	113	389057	29.38	ng/ul	0.00
19) Nitrobenzene-d5	9.64	128	155021	49.44	ng/ul	0.04
22) 2-Nitrophenol-d4	10.37	143	115068	35.43	ng/ul	0.04
26) 2,4-Dichlorophenol-d3	10.81	165	11781	2.02	ng/ul	-0.06
29) 4-Chloroaniline-d4	11.40	131	551345	92.25	ng/ul	0.01
43) Dimethylphthalate-d6	14.46	166	526750	21.66	ng/ul	0.04
46) Acenaphthylene-d8	14.77	160	757240	23.60	ng/ul	0.04
51) 4-Nitrophenol-d4	15.28	143	130198	28.84	ng/ul	0.07
57) Fluorene-d10	16.08	176	512970	24.76	ng/ul	0.06
62) 4,6-Dinitro-2-methylphenol	16.22	200	308868	7001.27	ng/ul	0.09
70) Anthracene-d10	17.90	188	443589	1198.06	ng/ul	0.04
76) Pyrene-d10	20.20	212	2207	28.04	ng/ul	0.09
87) Benzo(a)pyrene-d12	24.24	264	763208	26.03	ng/ul	0.03
Target Compounds				Ovalue		
4) Benzaldehyde	7.55	77	359595	51.880	ng/ul#	1
8) Bis(2-Chloroethyl)ether	7.80	93	35294	2.564	ng/ul#	1
11) 2-Methylphenol	8.78	108	41217	3.240	ng/ul	93
14) Acetophenone	9.42	105	830090	42.169	ng/ul	90
15) N-Nitroso-di-n-propylamine	9.22	70	468839	45.538	ng/ul#	49
17) Hexachloroethane	9.58	117	786142	143.562	ng/ul#	1
20) Nitrobenzene	9.65	77	116279	15.023	ng/ul#	50
21) Isophorone	10.22	82	2049904	138.932	ng/ul#	74
23) 2-Nitrophenol	10.38	139	36567	10.467	ng/ul#	1
24) 2,4-Dimethylphenol	10.49	107	258528	34.354	ng/ul#	56
25) Bis(2-Chloroethoxy)methane	10.64	93	403087	43.255	ng/ul#	27
27) 2,4-Dichlorophenol	10.93	162	20594	3.644	ng/ul#	1
28) Naphthalene	11.35	128	2552094	125.882	ng/ul#	95
30) 4-Chloroaniline	11.53	127	54257	8.944	ng/ul	92
31) Hexachlorobutadiene	11.61	225	4621	1.476	ng/ul	89
32) Caprolactam	12.16	113	95635	46.294	ng/ul#	1
33) 4-Chloro-3-methylphenol	12.56	107	36037	5.424	ng/ul#	34
34) 2-Methylnaphthalene	12.94	142	5065259	374.222	ng/ul	100
36) 1,2,4,5-Tetrachlorobenzene	13.29	216	17172	1.857	ng/ul#	1
38) 2,4,6-Trichlorophenol	13.55	196	102171	16.289	ng/ul	98
39) 2,4,5-Trichlorophenol	13.55	196	136979	20.944	ng/ul	99
40) 1,1'-Biophenyl	13.91	154	523460	19.978	ng/ul#	88
42) 2-Nitroaniline	14.12	65	50276	8.215	ng/ul#	53

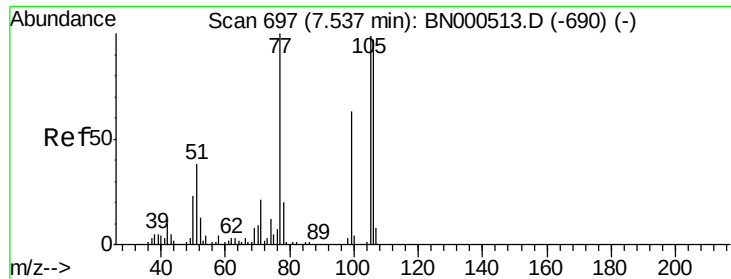
Data Path : Z:\HPCHEM1\BNA N\DATA\BN032118\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Dimethylphthalate	14.48	163	106404	4.424	ng/ul#	1
45) 2,6-Dinitrotoluene	14.61	165	107102	22.096	ng/ul#	53
47) Acenaphthylene	14.80	152	152253	4.845	ng/ul#	1
49) Acenaphthene	15.14	153	278641	13.004	ng/ul#	83
50) 2,4-Dinitrophenol	15.18	184	63806	27.903	ng/ul#	1
52) 4-Nitrophenol	15.25	109	263457	75.503	ng/ul#	19
53) Dibenzofuran	15.48	168	251135	8.629	ng/ul#	1
54) 2,4-Dinitrotoluene	15.41	165	18798	2.736	ng/ul#	80
55) 2,3,4,6-Tetrachlorophenol	15.65	232	608040	121.746	ng/ul#	91
58) Fluorene	16.13	166	608633	26.317	ng/ul#	78
60) 4-Nitroaniline	16.04	138	42015	7.991	ng/ul	93
63) 4,6-Dinitro-2-methylphenol	16.22	198	543620	11672.208	ng/ul#	41
64) N-Nitrosodiphenylamine	16.32	169	610067	2404.063	ng/ul#	49
65) 4-Bromophenyl-phenylether	17.00	248	567	7.221	ng/ul#	1
66) Hexachlorobenzene	17.11	284	64442	777.302	ng/ul#	1
67) Atrazine	17.26	200	3442	44.972	ng/ul#	1
68) Pentachlorophenol	17.49	266	7245206	165536.765	ng/ul	97
69) Phenanthrene	17.94	178	3463008	7803.622	ng/ul#	93
71) Anthracene	17.94	178	3463008	7610.536	ng/ul#	95
72) Carbazole	18.24	167	147739	378.620	ng/ul#	47
73) Di-n-butylphthalate	18.77	149	66911	126.095	ng/ul#	41
74) Fluoranthene	19.90	202	18846	42.737	ng/ul#	1
77) Pyrene	20.24	202	65833	632.073	ng/ul#	1
78) Butylbenzylphthalate	21.01	149	23853	461.058	ng/ul#	1
79) 3,3'-Dichlorobenzidine	21.88	252	3308	118.740	ng/ul#	28
80) Benzo(a)anthracene	21.94	228	488701	5143.530	ng/ul#	87
81) Bis(2-ethylhexyl)phthalate	21.76	149	2255915	30035.161	ng/ul	100
82) Chrysene	22.02	228	3153	35.398	ng/ul#	1
84) Di-n-octyl phthalate	22.72	149	1097049	20.978	ng/ul	100
85) Benzo(b)fluoranthene	23.64	252	381802	9.726	ng/ul#	72
86) Benzo(k)fluoranthene	23.64	252	381802	10.074	ng/ul#	71
88) Benzo(a)pyrene	24.29	252	240055	6.497	ng/ul#	72
89) Indeno(1,2,3-cd)pyrene	26.97	276	115371	2.896	ng/ul#	71
91) Benzo(g,h,i)perylene	27.76	276	102594	3.099	ng/ul#	75

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



#4

Benzaldehyde

Concen: 51.880 ng/ul

RT: 7.55 min Scan# 700

Delta R.T. 0.02 min

Lab File: BN000515.D

Acq: 21 Mar 2018 12:26

Instrument :

BNA_N

ClientSampled :

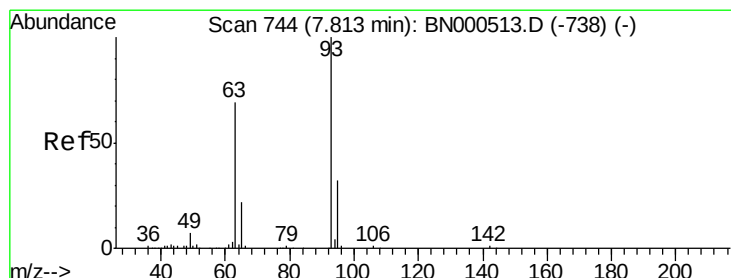
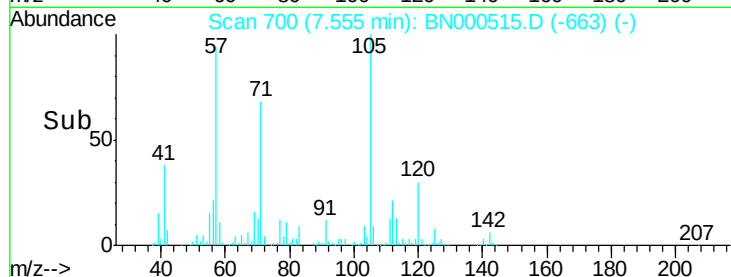
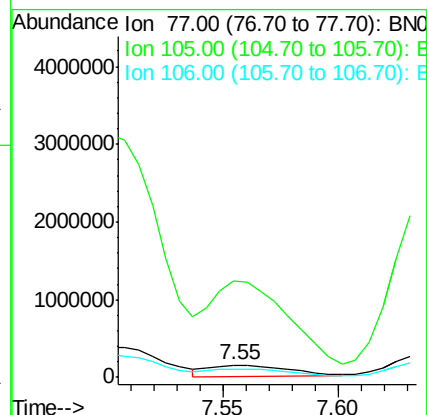
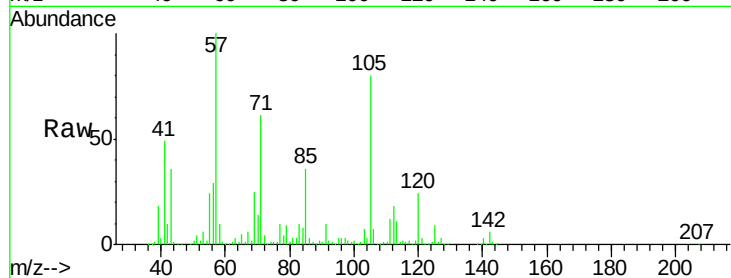
Tot Ion: 77 Resp: 359595

Ion Ratio Lower Upper

77 100

105 784.4 71.0 106.6#

106 70.7 69.5 104.3



#8

Bis(2-Chloroethyl)ether

Concen: 2.564 ng/ul

RT: 7.80 min Scan# 742

Delta R.T. -0.01 min

Lab File: BN000515.D

Acq: 21 Mar 2018 12:26

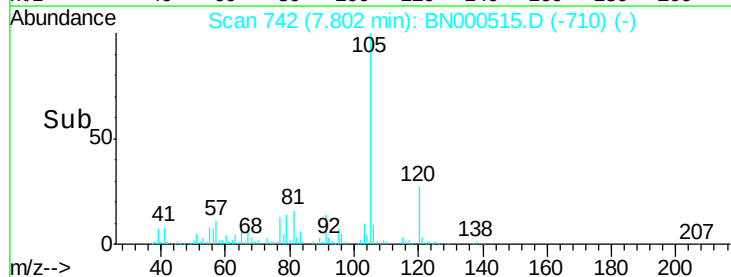
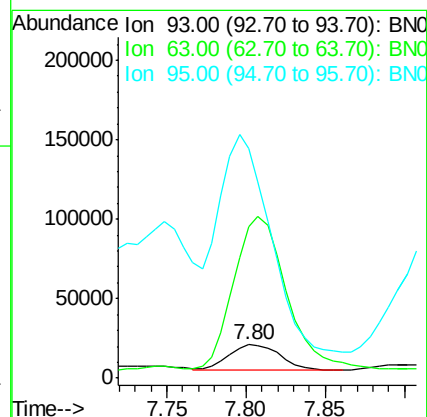
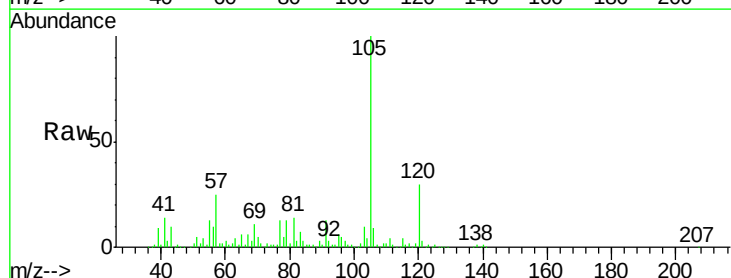
Tgt Ion: 93 Resp: 35294

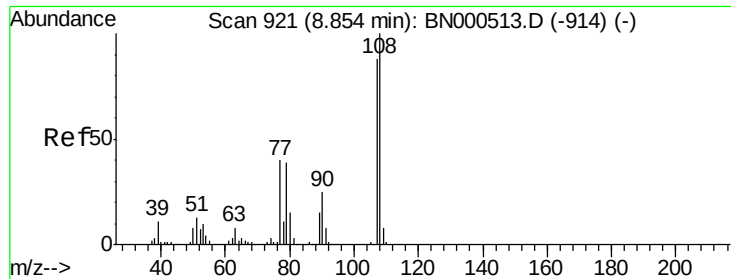
Ion Ratio Lower Upper

93 100

63 453.9 59.4 89.2#

95 691.0 26.4 39.6#

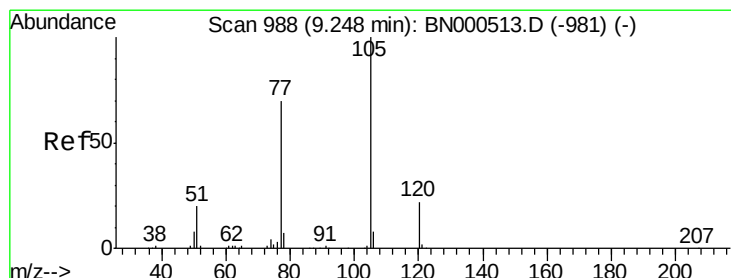
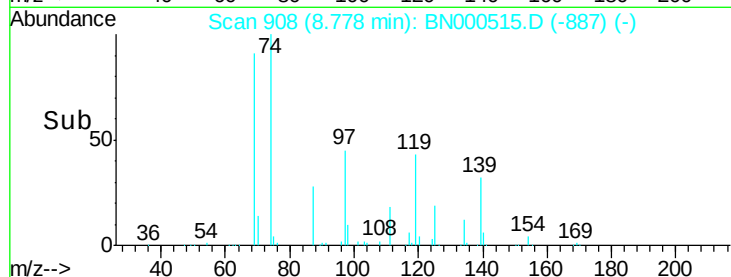
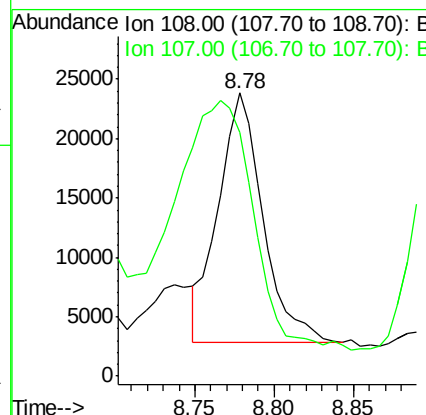
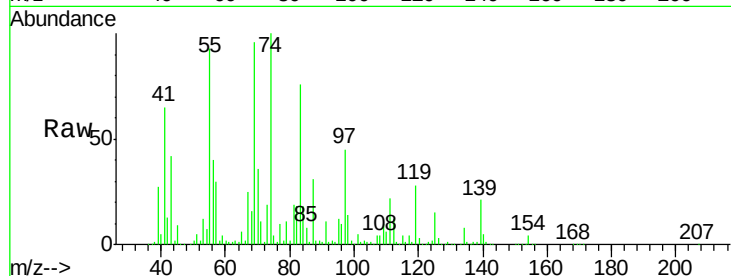




#11
2-Methylphenol
Concen: 3.240 ng/ul
RT: 8.78 min Scan# 908
Delta R.T. -0.08 min
Lab File: BN000515.D
Acq: 21 Mar 2018 12:26

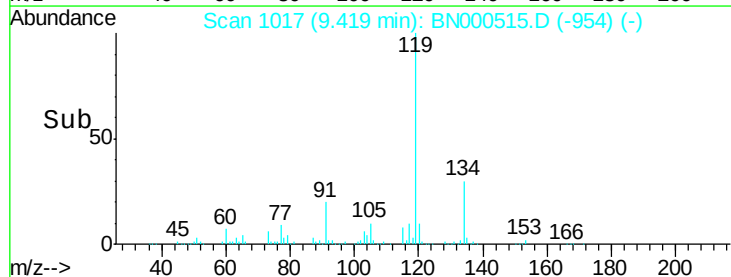
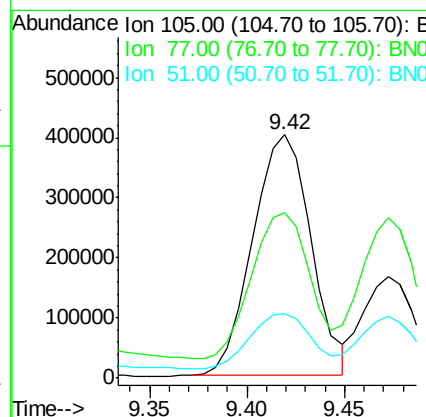
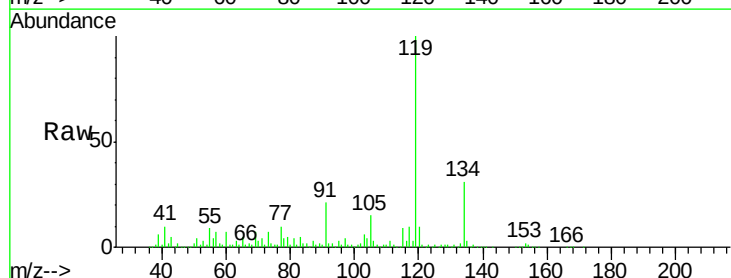
Instrument :
BNA_N
ClientSampled :

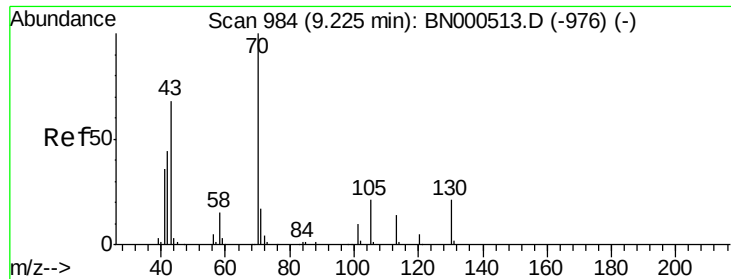
Tot Ion:108 Resp: 41217
Ion Ratio Lower Upper
108 100
107 86.3 74.1 111.1



#14
Acetophenone
Concen: 42.169 ng/ul
RT: 9.42 min Scan# 1017
Delta R.T. 0.17 min
Lab File: BN000515.D
Acq: 21 Mar 2018 12:26

Tgt Ion:105 Resp: 830090
Ion Ratio Lower Upper
105 100
77 68.1 63.2 94.8
51 26.4 19.8 29.8





#15

N-Nitroso-di-n-propylamine

Concen: 45.538 ng/ul

RT: 9.22 min Scan# 983

Delta R.T. -0.01 min

Lab File: BN000515.D

Acq: 21 Mar 2018 12:26

Instrument :

BNA_N

ClientSampleId :

Tot Ion: 70 Resp: 468839

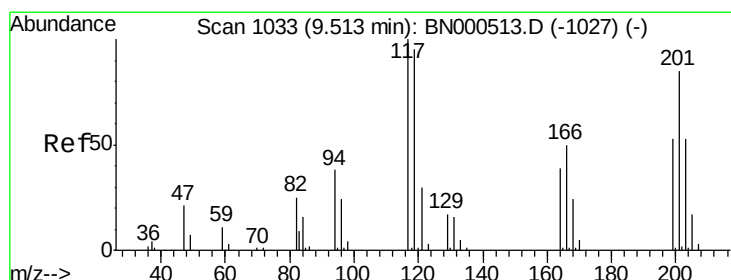
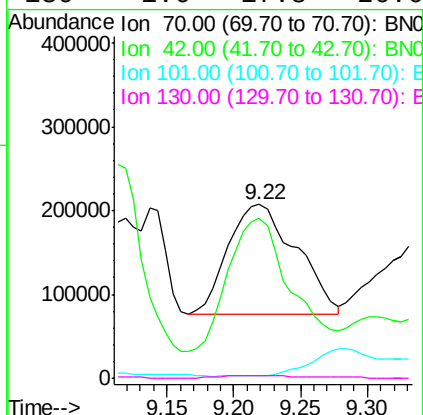
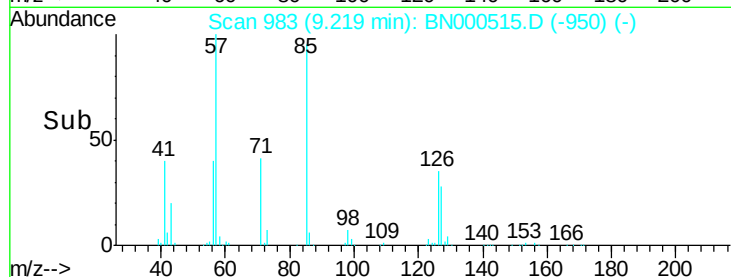
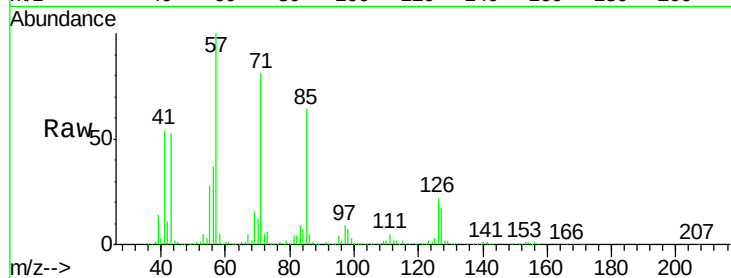
Ion Ratio Lower Upper

70 100

42 92.2 40.2 60.4#

101 1.5 7.7 11.5#

130 1.6 17.8 26.6#



#17

Hexachloroethane

Concen: 143.562 ng/ul

RT: 9.58 min Scan# 1044

Delta R.T. 0.07 min

Lab File: BN000515.D

Acq: 21 Mar 2018 12:26

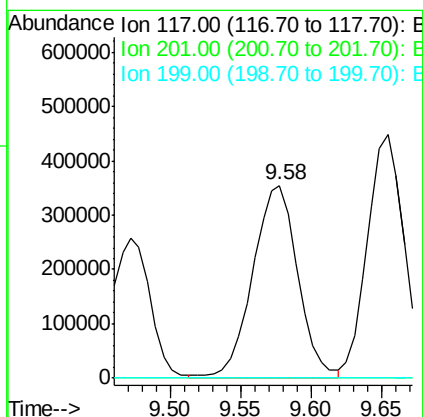
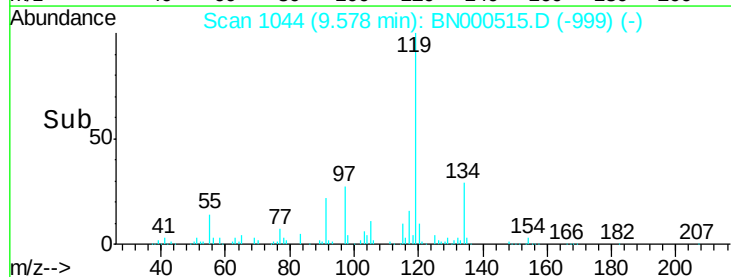
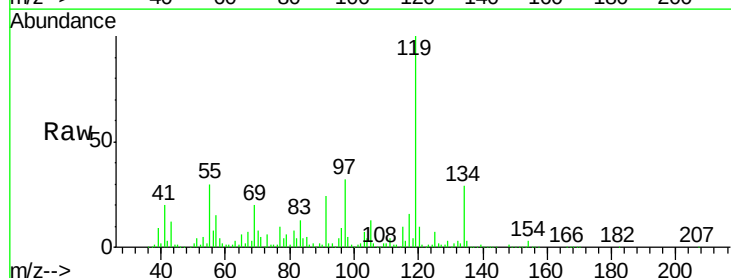
Tgt Ion: 117 Resp: 786142

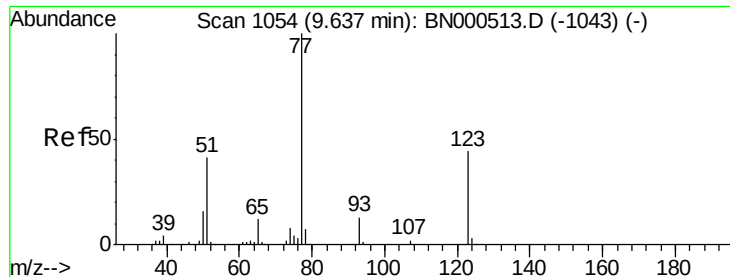
Ion Ratio Lower Upper

117 100

201 0.0 96.1 144.1#

199 0.0 59.7 89.5#

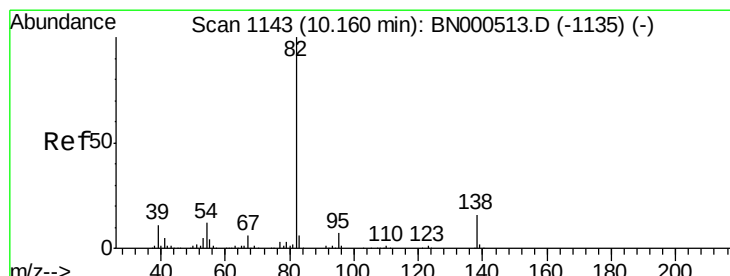
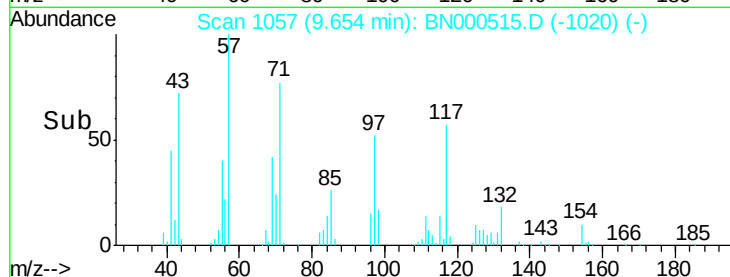
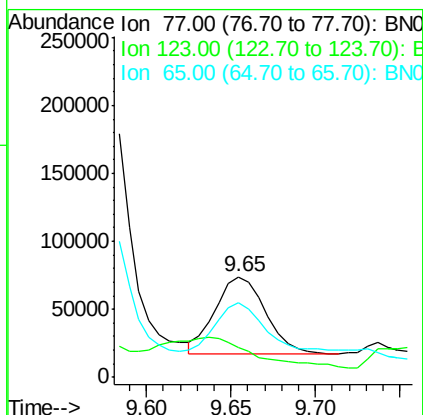
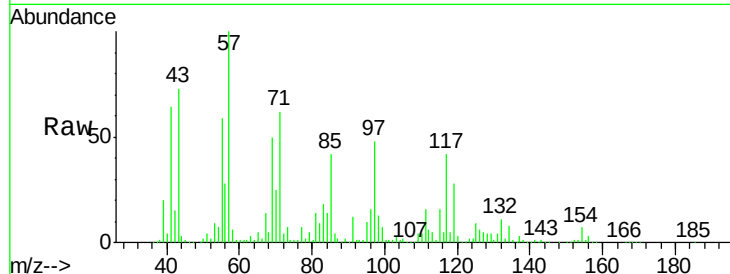




#20
Nitrobenzene
Concen: 15.023 ng/ul
RT: 9.65 min Scan# 1057
Delta R.T. 0.02 min
Lab File: BN000515.D
Acq: 21 Mar 2018 12:26

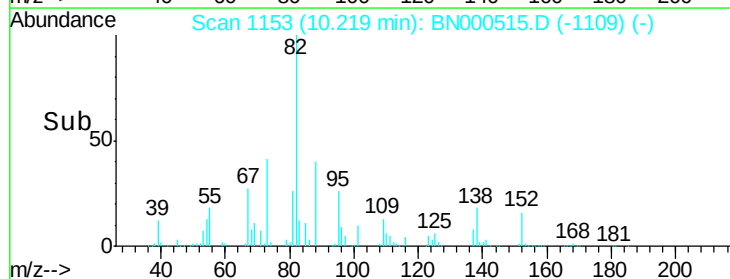
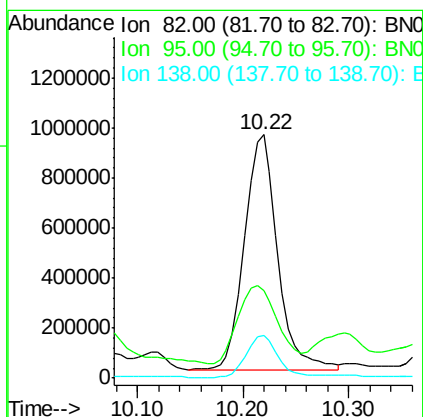
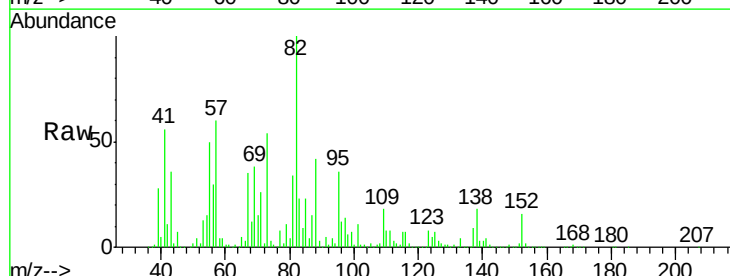
Instrument :
BNA_N
ClientSampleId :

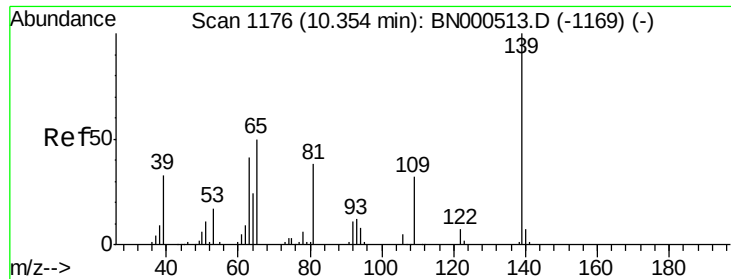
Tot Ion: 77 Resp: 116279
Ion Ratio Lower Upper
77 100
123 30.3 31.8 47.8#
65 74.1 10.6 16.0#



#21
Isophorone
Concen: 138.932 ng/ul
RT: 10.22 min Scan# 1153
Delta R.T. 0.06 min
Lab File: BN000515.D
Acq: 21 Mar 2018 12:26

Tgt Ion: 82 Resp: 2049904
Ion Ratio Lower Upper
82 100
95 35.8 6.1 9.1#
138 17.7 13.5 20.3





#23

2-Nitrophenol

Concen: 10.467 ng/ul

RT: 10.38 min Scan# 1181

Delta R.T. 0.03 min

Lab File: BN000515.D

Acq: 21 Mar 2018 12:26

Instrument :

BNA_N

ClientSampled :

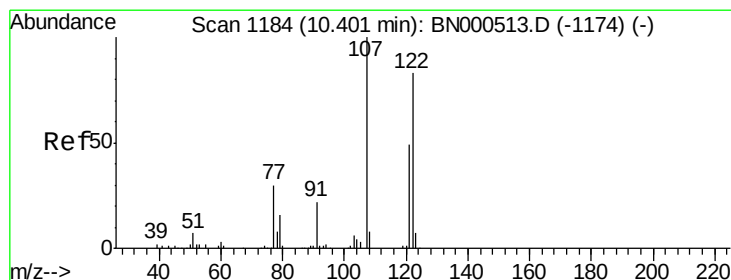
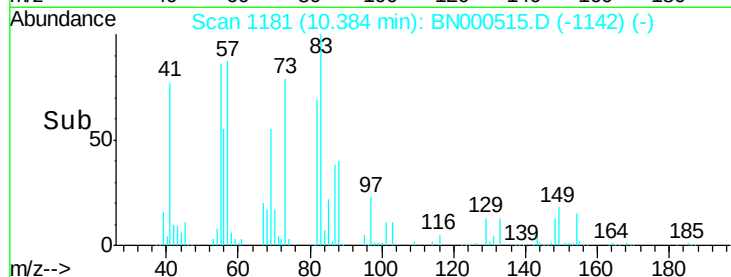
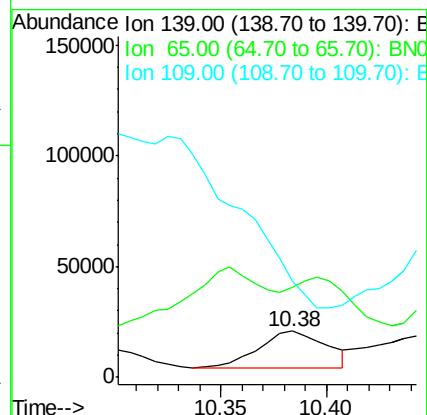
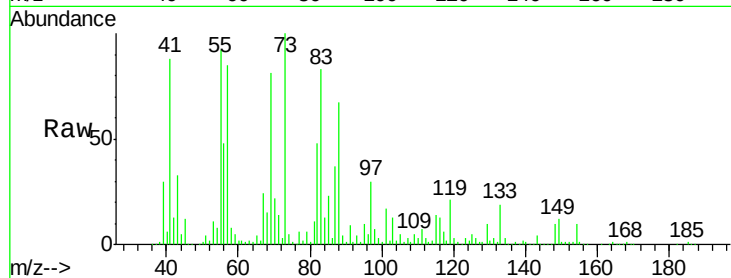
Tot Ion:139 Resp: 36567

Ion Ratio Lower Upper

139 100

65 195.5 45.3 67.9#

109 209.7 27.7 41.5#



#24

2,4-Dimethylphenol

Concen: 34.354 ng/ul

RT: 10.49 min Scan# 1199

Delta R.T. 0.09 min

Lab File: BN000515.D

Acq: 21 Mar 2018 12:26

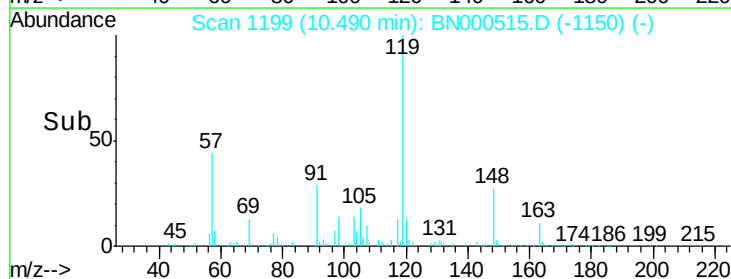
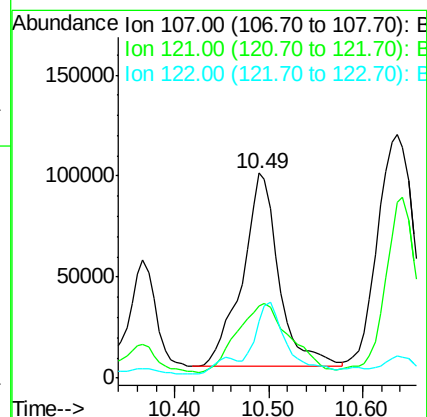
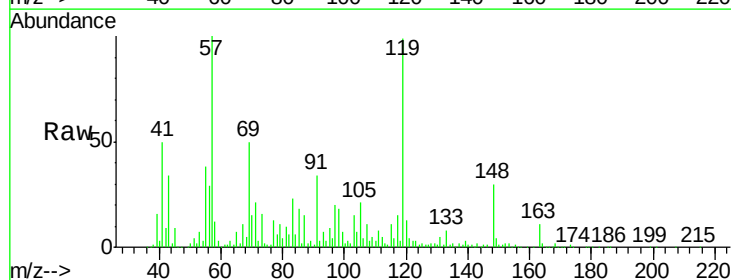
Tgt Ion:107 Resp: 258528

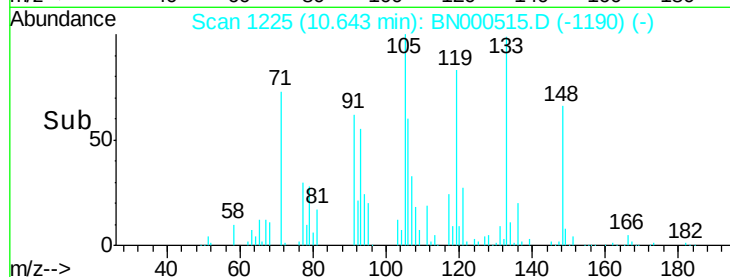
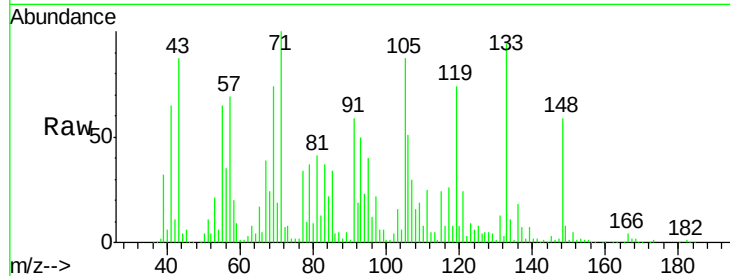
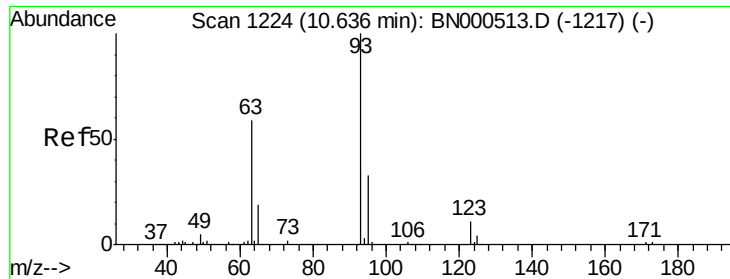
Ion Ratio Lower Upper

107 100

121 35.2 38.1 57.1#

122 27.5 63.8 95.8#

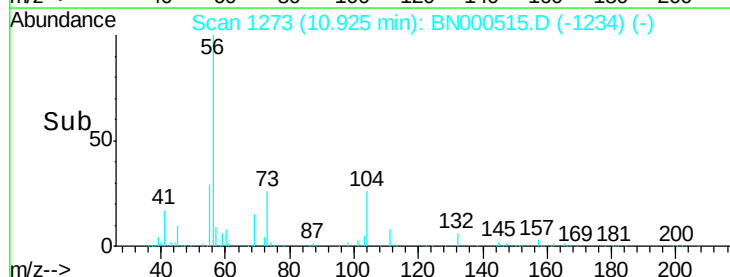
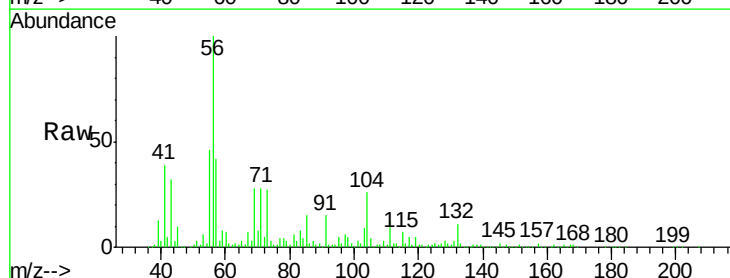
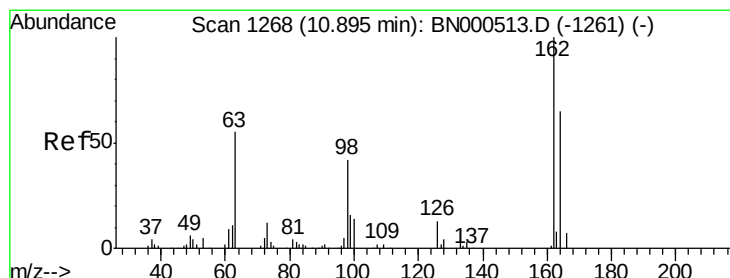
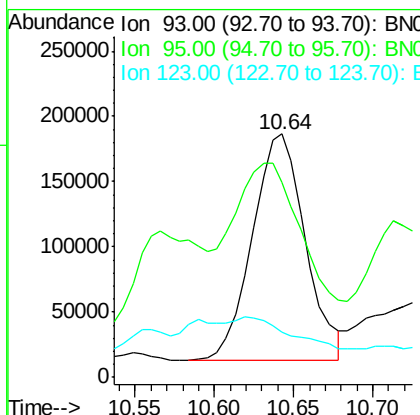




#25
Bis(2-Chloroethoxy)methane
Concen: 43.255 ng/ul
RT: 10.64 min Scan# 1225
Delta R.T. 0.01 min
Lab File: BN000515.D
Acq: 21 Mar 2018 12:26

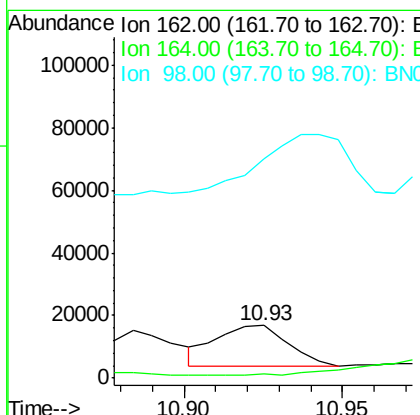
Instrument :
BNA_N
ClientSampleId :

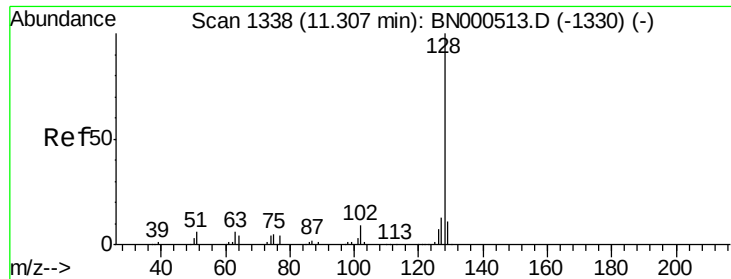
Tot Ion: 93 Resp: 403087
Ion Ratio Lower Upper
93 100
95 79.9 24.7 37.1#
123 18.4 8.2 12.2#



#27
2,4-Dichlorophenol
Concen: 3.644 ng/ul
RT: 10.93 min Scan# 1273
Delta R.T. 0.03 min
Lab File: BN000515.D
Acq: 21 Mar 2018 12:26

Tgt Ion:162 Resp: 20594
Ion Ratio Lower Upper
162 100
164 7.2 52.0 78.0#
98 418.6 26.6 39.8#

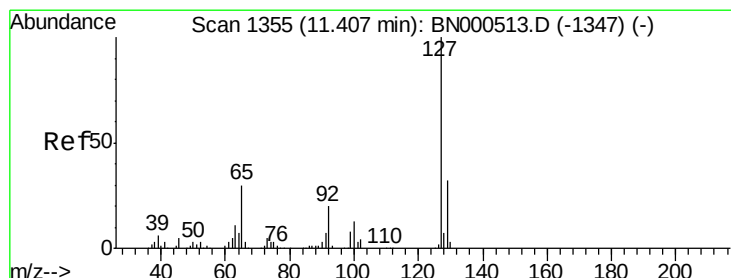
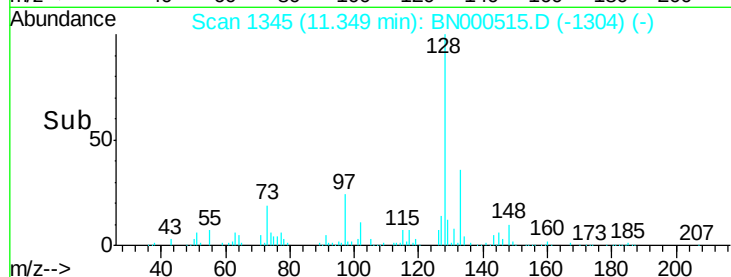
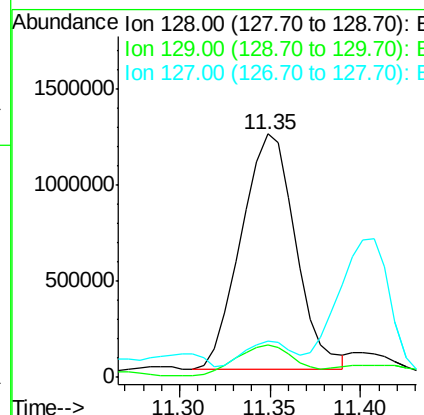
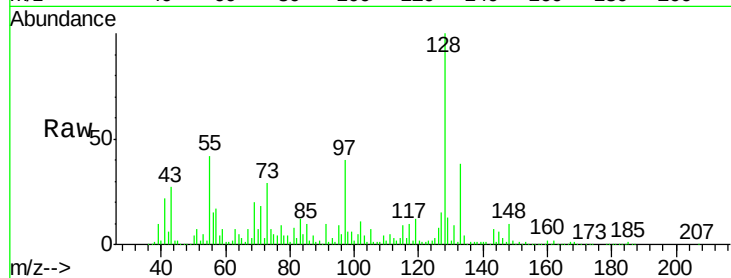




#28
Naphthalene
Concen: 125.882 ng/ul
RT: 11.35 min Scan# 1345
Delta R.T. 0.04 min
Lab File: BN000515.D
Acq: 21 Mar 2018 12:26

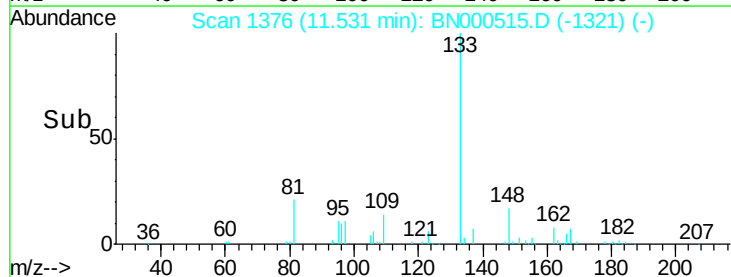
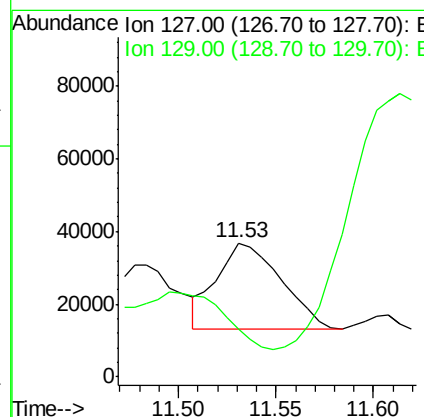
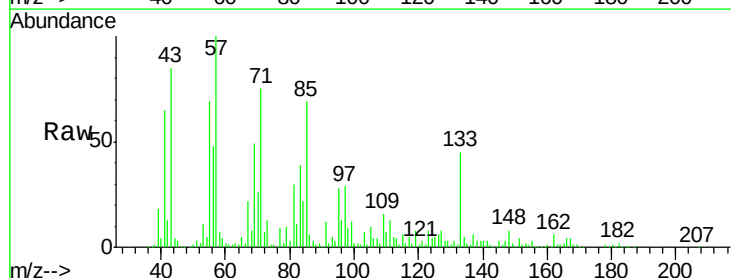
Instrument :
BNA_N
ClientSampleId :

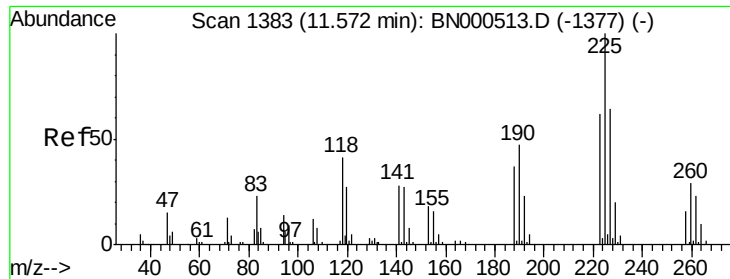
Tot Ion:128 Resp: 2552094
Ion Ratio Lower Upper
128 100
129 13.2 8.3 12.5#
127 15.1 10.8 16.2



#30
4-Chloroaniline
Concen: 8.944 ng/ul
RT: 11.53 min Scan# 1376
Delta R.T. 0.12 min
Lab File: BN000515.D
Acq: 21 Mar 2018 12:26

Tgt Ion:127 Resp: 54257
Ion Ratio Lower Upper
127 100
129 35.4 24.6 37.0

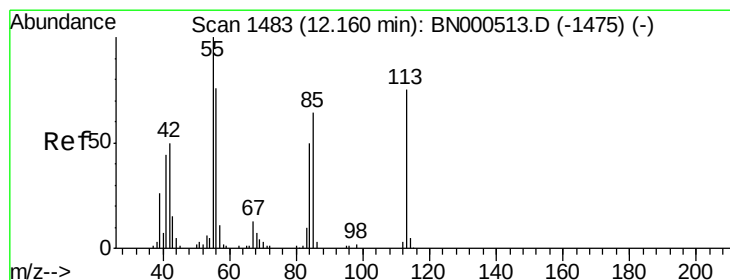
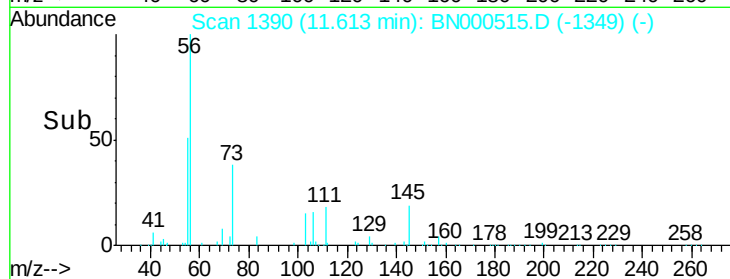
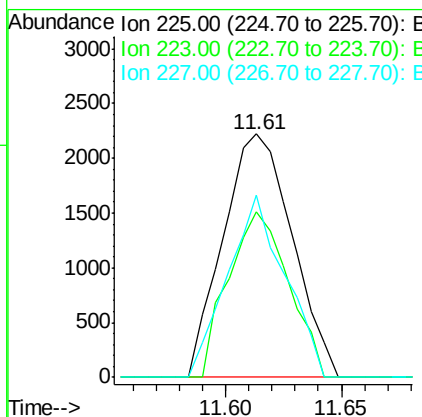
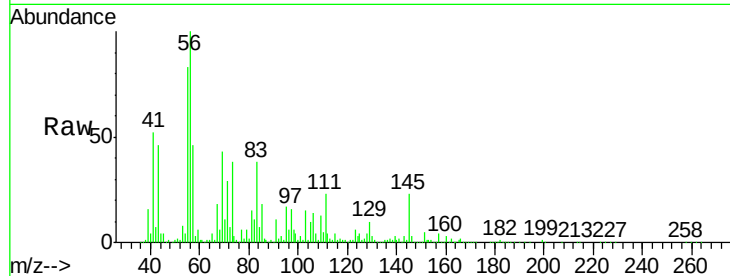




#31
Hexachlorobutadiene
Concen: 1.476 ng/ul
RT: 11.61 min Scan# 1390
Delta R.T. 0.04 min
Lab File: BN000515.D
Acq: 21 Mar 2018 12:26

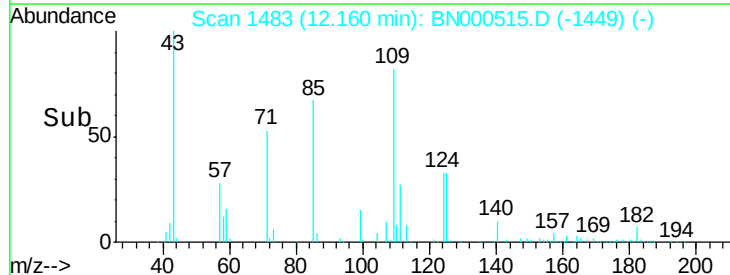
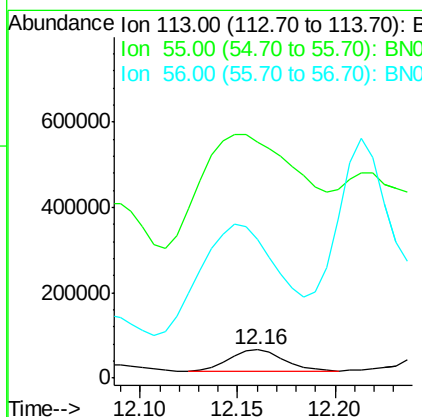
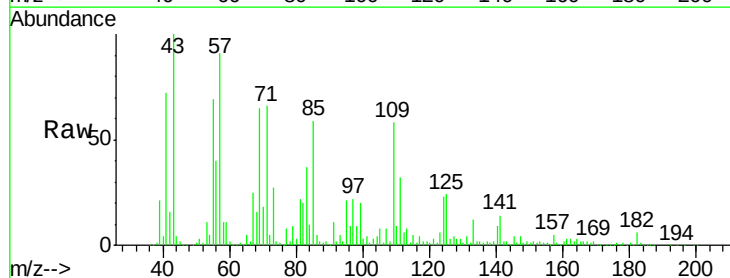
Instrument :
BNA_N
ClientSampleId :

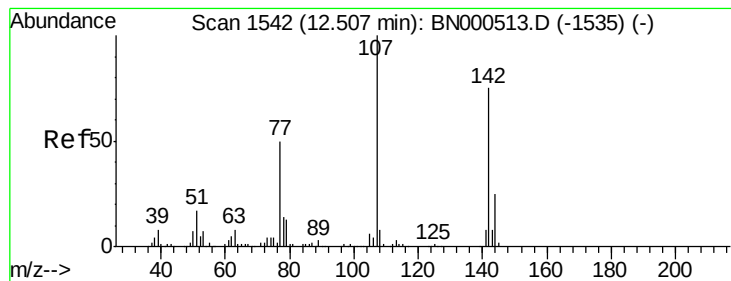
Tot Ion:225 Resp: 4621
Ion Ratio Lower Upper
225 100
223 68.2 48.1 72.1
227 74.7 52.1 78.1



#32
Caprolactam
Concen: 46.294 ng/ul
RT: 12.16 min Scan# 1483
Delta R.T. 0.00 min
Lab File: BN000515.D
Acq: 21 Mar 2018 12:26

Tgt Ion:113 Resp: 95635
Ion Ratio Lower Upper
113 100
55 841.7 131.7 197.5#
56 492.8 92.7 139.1#





#33

4-Chloro-3-methylphenol

Concen: 5.424 ng/ul

RT: 12.56 min Scan# 1551

Delta R.T. 0.05 min

Lab File: BN000515.D

Acq: 21 Mar 2018 12:26

Instrument :

BNA_N

ClientSampleId :

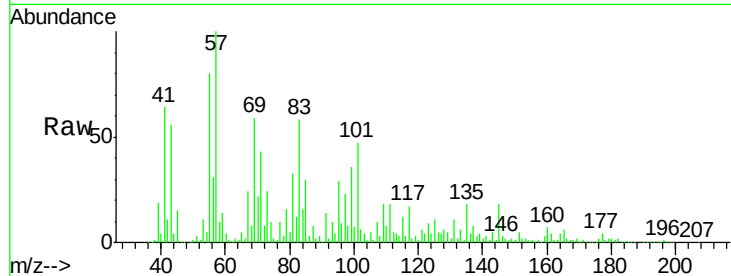
Tot Ion:107 Resp: 36037

Ion Ratio Lower Upper

107 100

144 12.0 21.1 31.7#

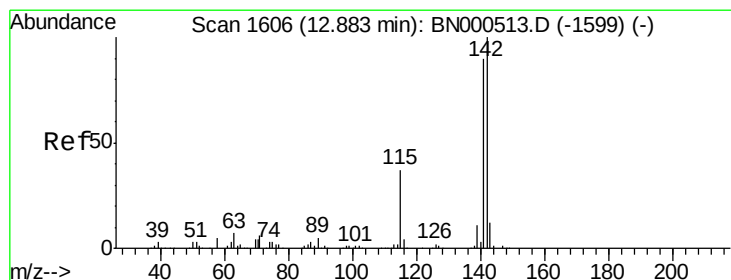
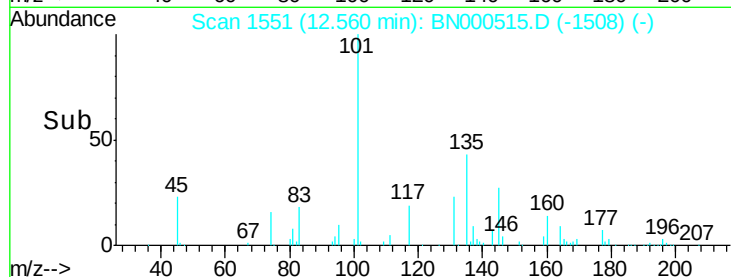
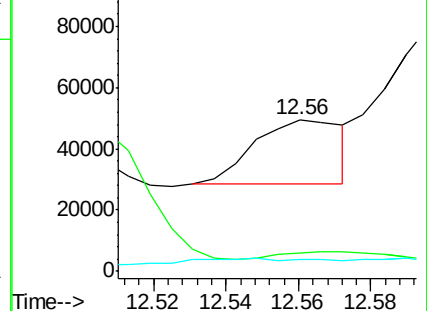
142 7.6 60.1 90.1#



Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E



#34

2-Methylnaphthalene

Concen: 374.222 ng/ul

RT: 12.94 min Scan# 1615

Delta R.T. 0.05 min

Lab File: BN000515.D

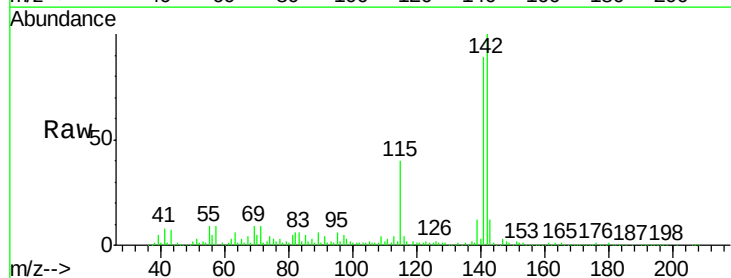
Acq: 21 Mar 2018 12:26

Tgt Ion:142 Resp: 5065259

Ion Ratio Lower Upper

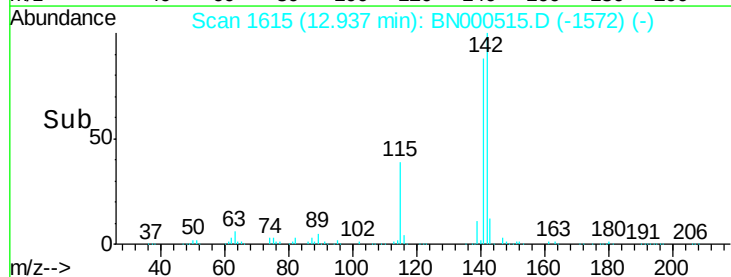
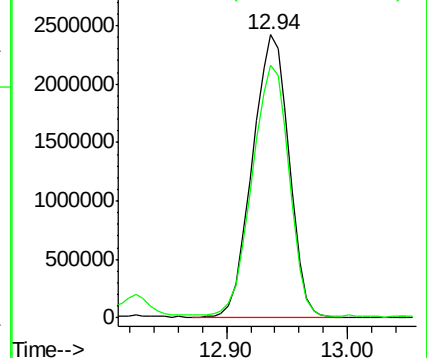
142 100

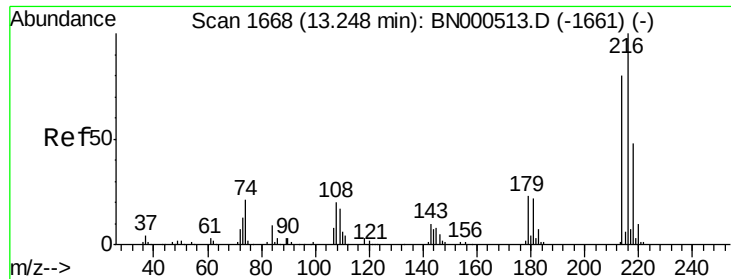
141 89.5 71.4 107.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

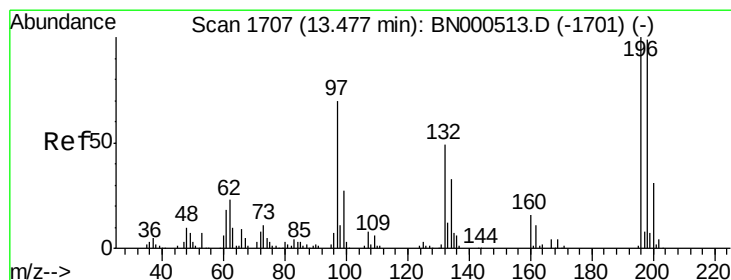
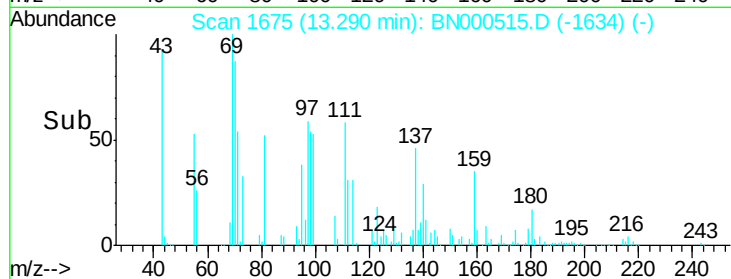
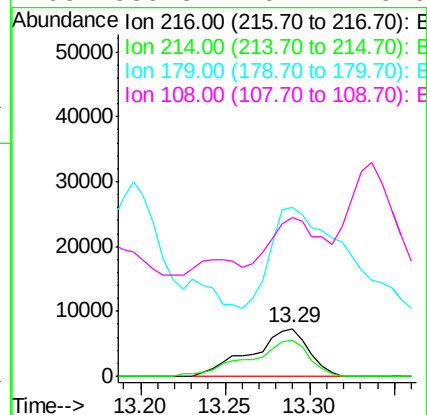
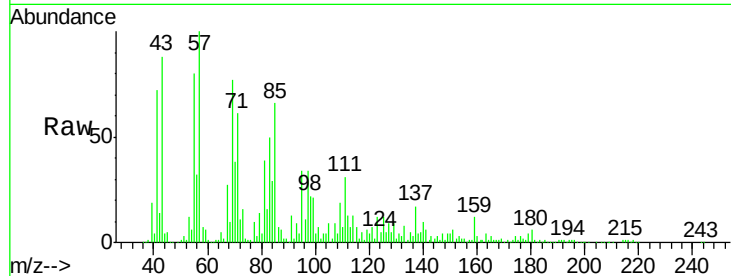




#36
 1,2,4,5-Tetrachlorobenzene
 Concen: 1.857 ng/ul
 RT: 13.29 min Scan# 1675
 Delta R.T. 0.04 min
 Lab File: BN000515.D
 Acq: 21 Mar 2018 12:26

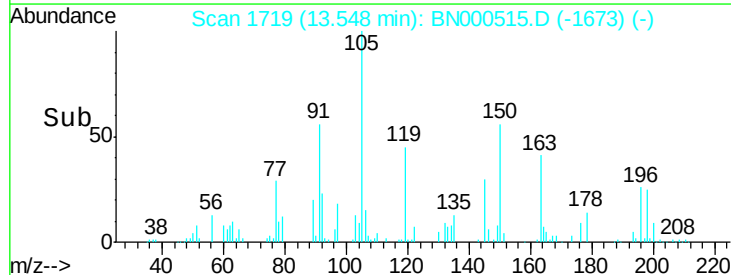
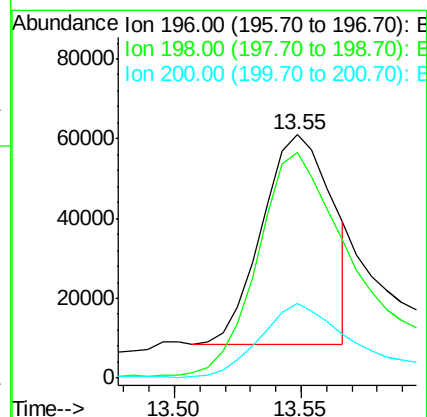
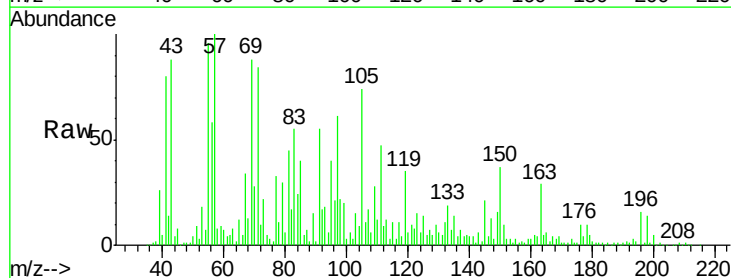
Instrument :
 BNA_N
 ClientSampleId :

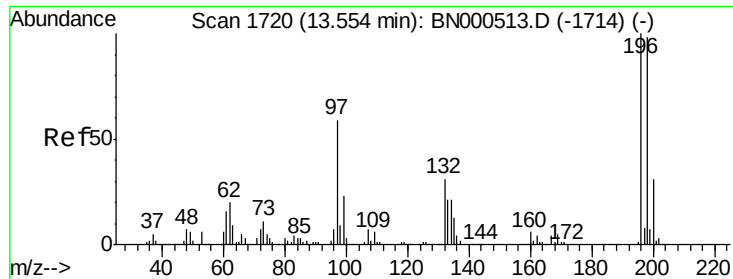
Tot Ion:216 Resp: 17172
 Ion Ratio Lower Upper
 216 100
 214 76.4 64.1 96.1
 179 356.3 14.5 21.7#
 108 335.3 10.4 15.6#



#38
 2,4,6-Trichlorophenol
 Concen: 16.289 ng/ul
 RT: 13.55 min Scan# 1719
 Delta R.T. 0.07 min
 Lab File: BN000515.D
 Acq: 21 Mar 2018 12:26

Tgt Ion:196 Resp: 102171
 Ion Ratio Lower Upper
 196 100
 198 92.9 75.9 113.9
 200 30.4 25.8 38.6

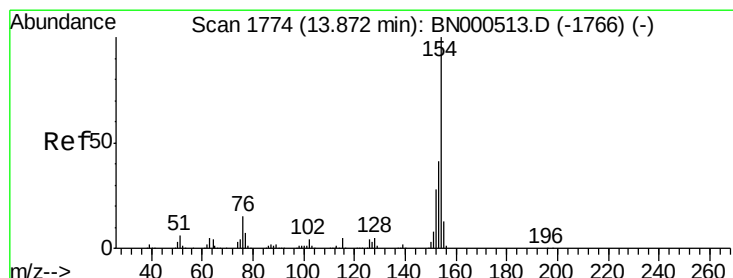
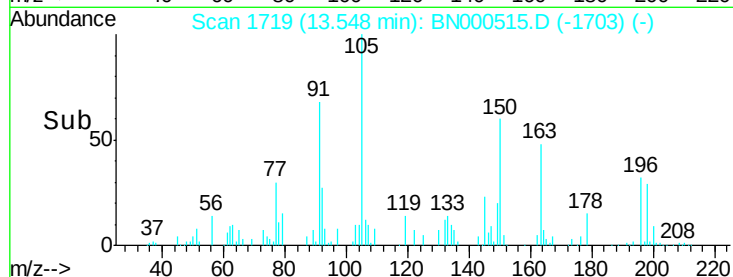
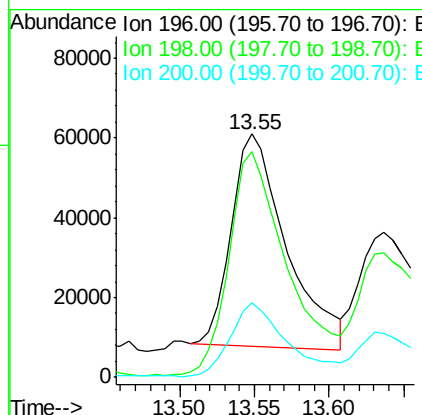
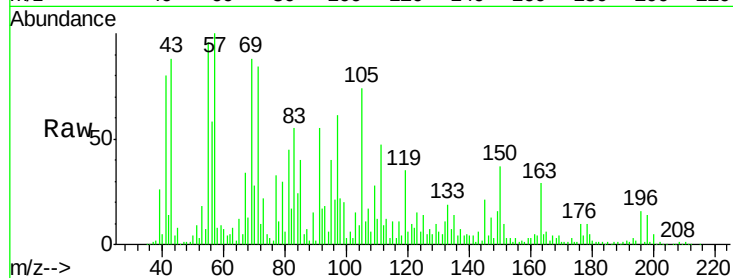




#39
 2,4,5-Trichlorophenol
 Concen: 20.944 ng/ul
 RT: 13.55 min Scan# 1719
 Delta R.T. -0.01 min
 Lab File: BN000515.D
 Acq: 21 Mar 2018 12:26

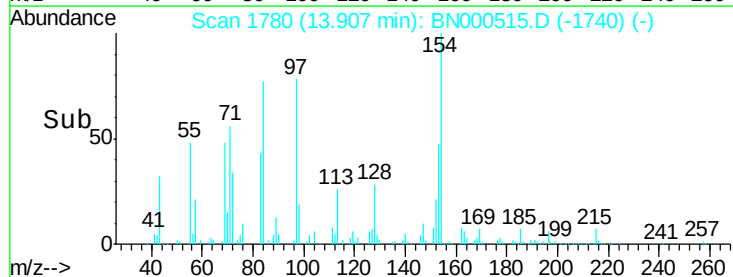
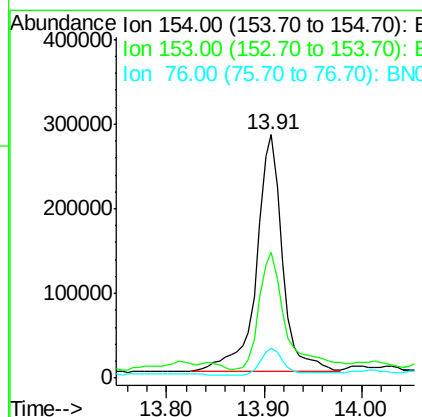
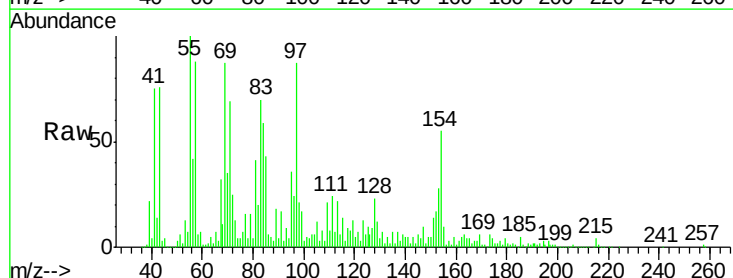
Instrument :
 BNA_N
 ClientSampled :

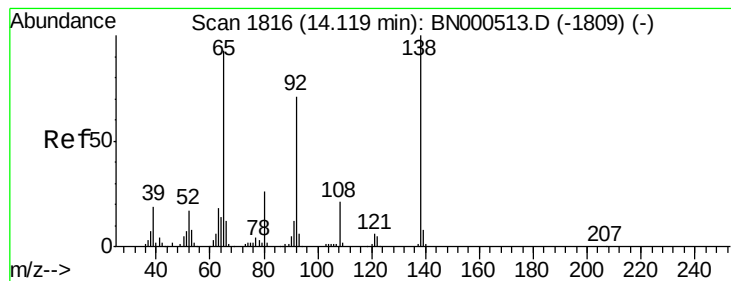
Tot Ion:196 Resp: 136979
 Ion Ratio Lower Upper
 196 100
 198 92.9 74.7 112.1
 200 30.4 25.4 38.0



#40
 1,1'-Biphenyl
 Concen: 19.978 ng/ul
 RT: 13.91 min Scan# 1780
 Delta R.T. 0.04 min
 Lab File: BN000515.D
 Acq: 21 Mar 2018 12:26

Tgt Ion:154 Resp: 523460
 Ion Ratio Lower Upper
 154 100
 153 51.6 34.0 51.0#
 76 12.4 8.4 12.6





#42

2-Nitroaniline

Concen: 8.215 ng/ul

RT: 14.12 min Scan# 1817

Delta R.T. 0.01 min

Lab File: BN000515.D

Acq: 21 Mar 2018 12:26

Instrument :

BNA_N

ClientSampled :

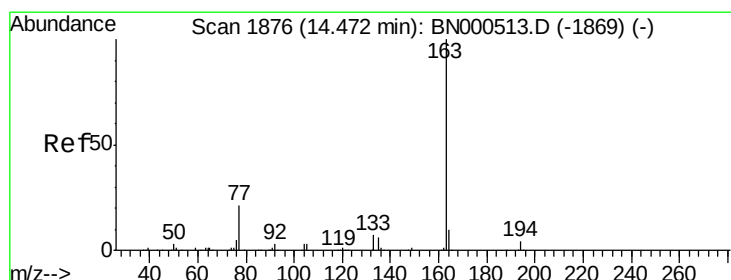
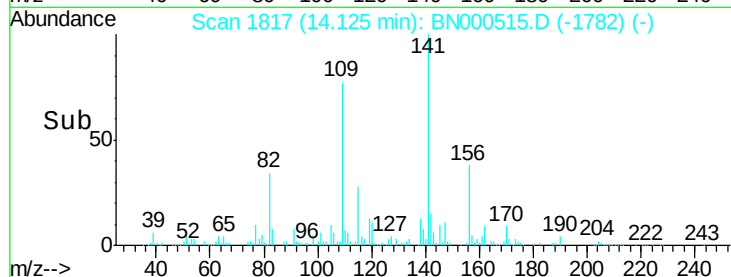
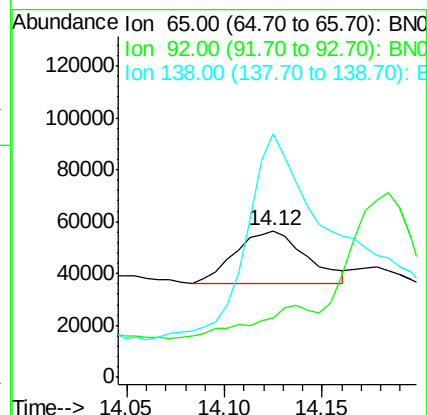
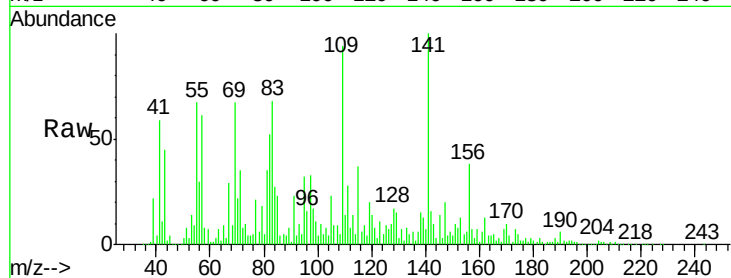
Tot Ion: 65 Resp: 50276

Ion Ratio Lower Upper

65 100

92 40.8 57.0 85.4#

138 165.7 87.2 130.8#



#44

Dimethylphthalate

Concen: 4.424 ng/ul

RT: 14.48 min Scan# 1877

Delta R.T. 0.01 min

Lab File: BN000515.D

Acq: 21 Mar 2018 12:26

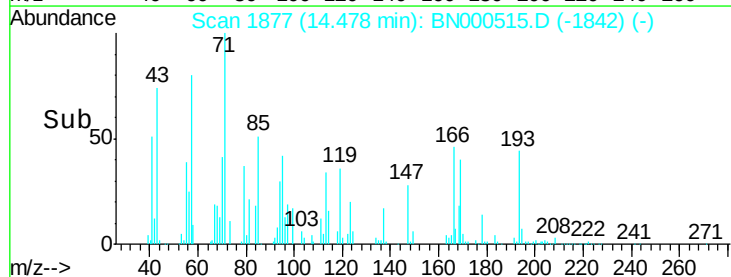
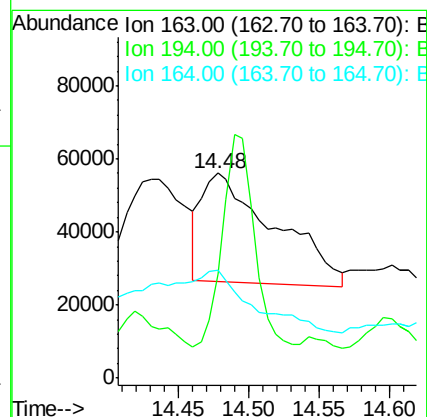
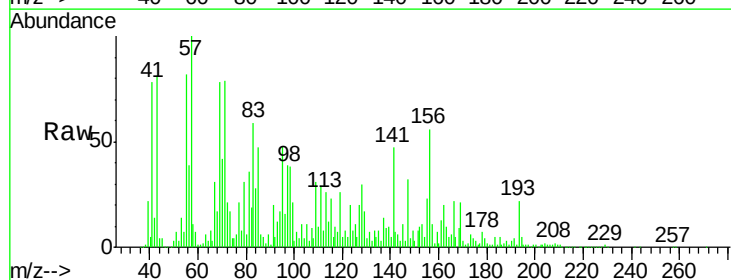
Tgt Ion:163 Resp: 106404

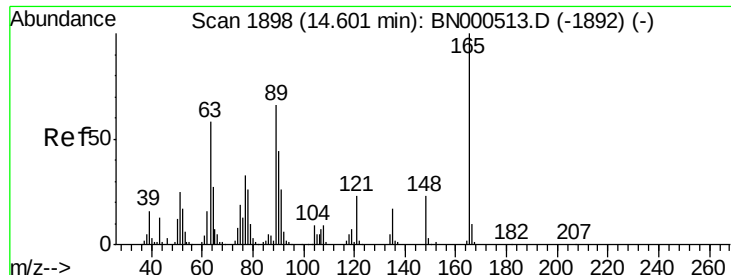
Ion Ratio Lower Upper

163 100

194 50.6 4.0 6.0#

164 52.9 8.4 12.6#





#45

2,6-Dinitrotoluene

Concen: 22.096 ng/ul

RT: 14.61 min Scan# 1899

Delta R.T. 0.01 min

Lab File: BN000515.D

Acq: 21 Mar 2018 12:26

Instrument :

BNA_N

ClientSampled :

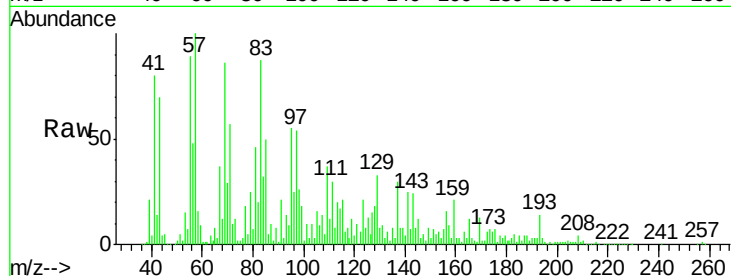
Tot Ion:165 Resp: 107102

Ion Ratio Lower Upper

165 100

89 66.7 43.8 65.8#

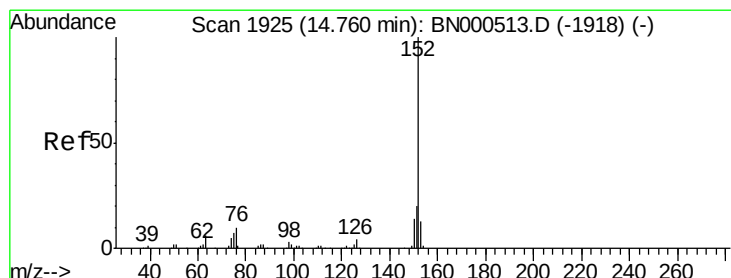
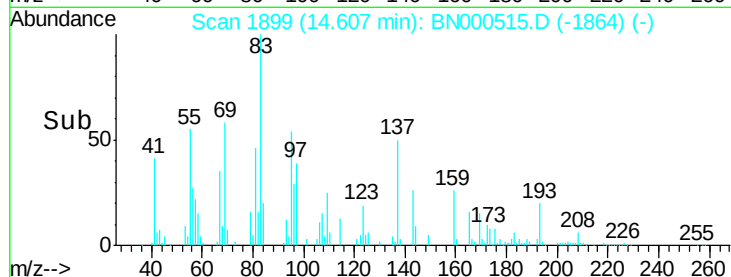
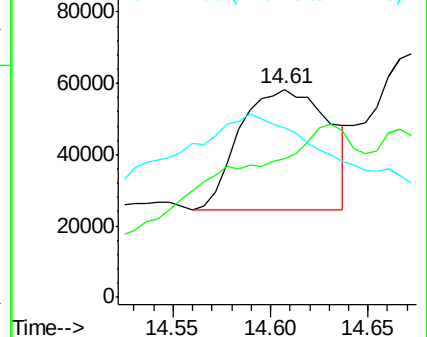
121 81.2 17.8 26.6#



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



#47

Acenaphthylene

Concen: 4.845 ng/ul

RT: 14.80 min Scan# 1931

Delta R.T. 0.04 min

Lab File: BN000515.D

Acq: 21 Mar 2018 12:26

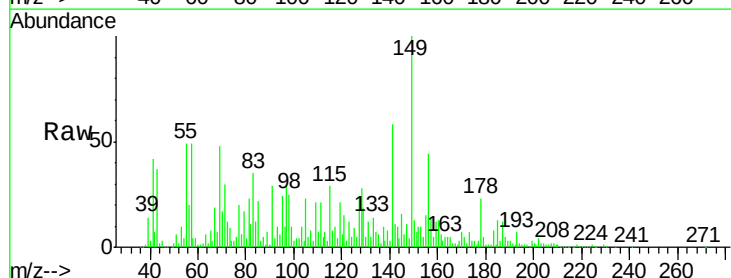
Tgt Ion:152 Resp: 152253

Ion Ratio Lower Upper

152 100

151 69.7 16.1 24.1#

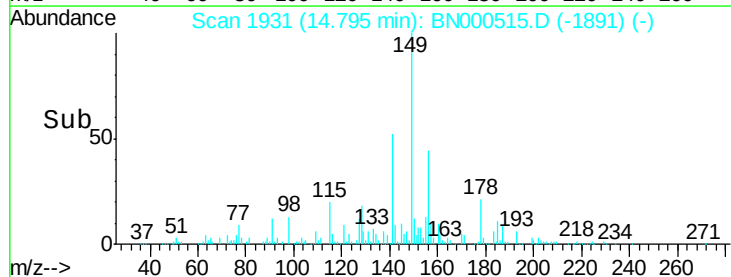
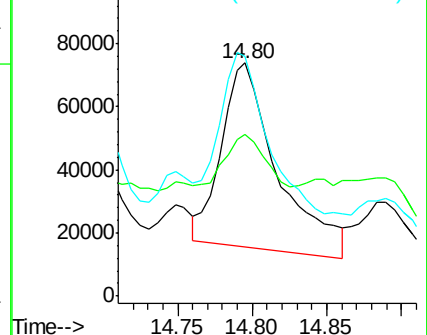
153 102.7 10.8 16.2#

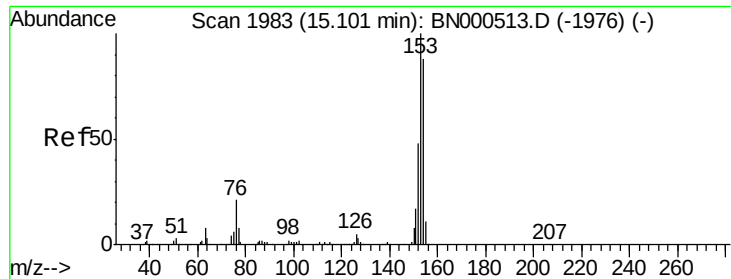


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#49

Acenaphthene

Concen: 13.004 ng/ul

RT: 15.14 min Scan# 1989

Delta R.T. 0.04 min

Lab File: BN000515.D

Acq: 21 Mar 2018 12:26

Instrument :

BNA_N

ClientSampleId :

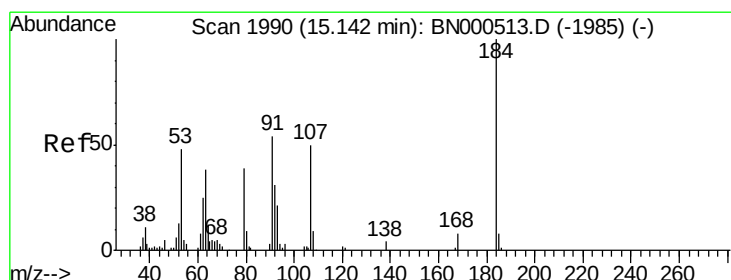
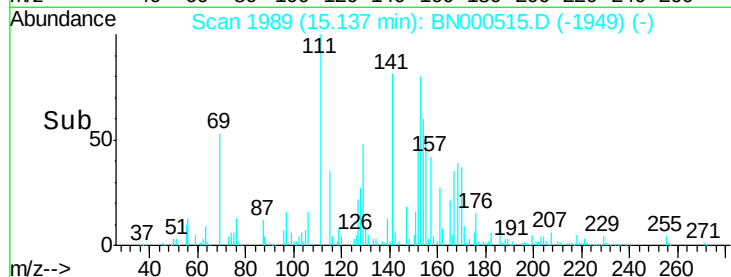
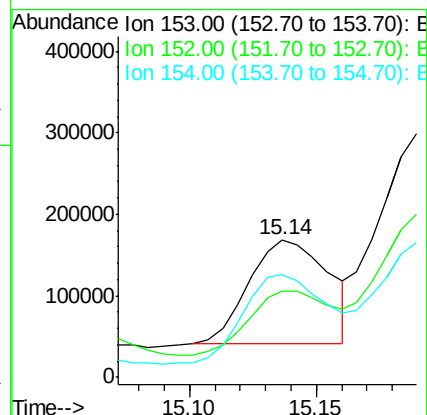
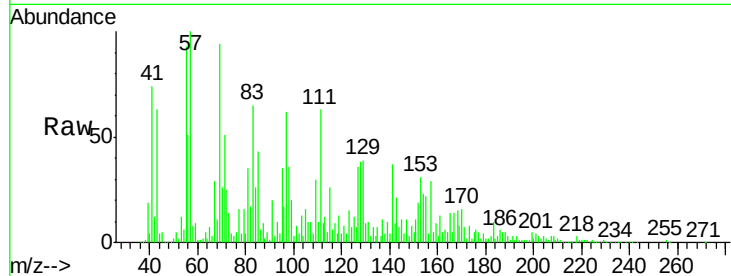
Tot Ion:153 Resp: 278641

Ion Ratio Lower Upper

153 100

152 63.0 37.9 56.9#

154 74.6 69.8 104.6



#50

2,4-Dinitrophenol

Concen: 27.903 ng/ul

RT: 15.18 min Scan# 1997

Delta R.T. 0.04 min

Lab File: BN000515.D

Acq: 21 Mar 2018 12:26

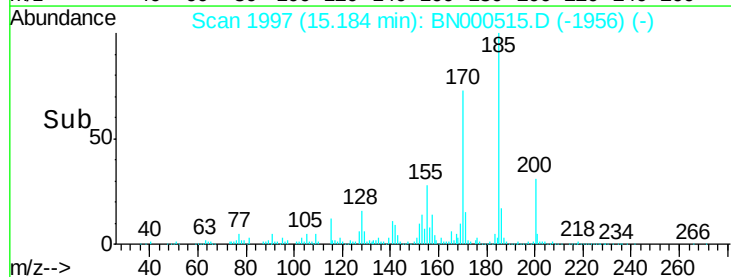
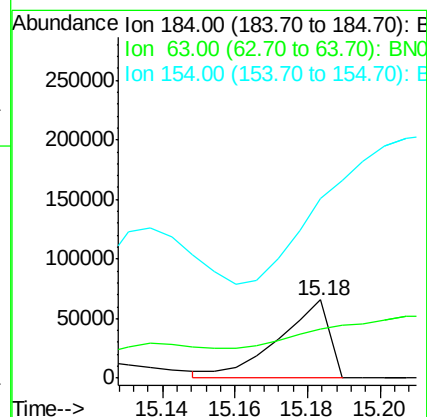
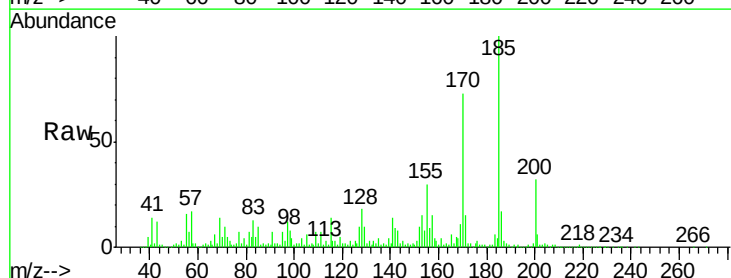
Tgt Ion:184 Resp: 63806

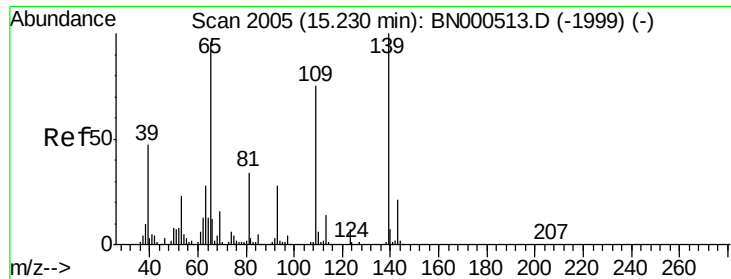
Ion Ratio Lower Upper

184 100

63 62.6 39.7 59.5#

154 229.2 45.0 67.6#





#52

4-Nitrophenol

Concen: 75.503 ng/ul

RT: 15.25 min Scan# 2008

Delta R.T. 0.02 min

Lab File: BN000515.D

Acq: 21 Mar 2018 12:26

Instrument :

BNA_N

ClientSampleId :

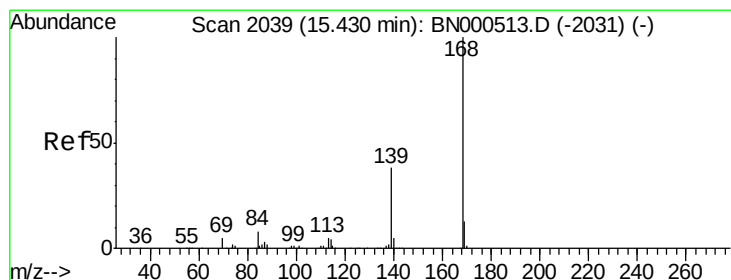
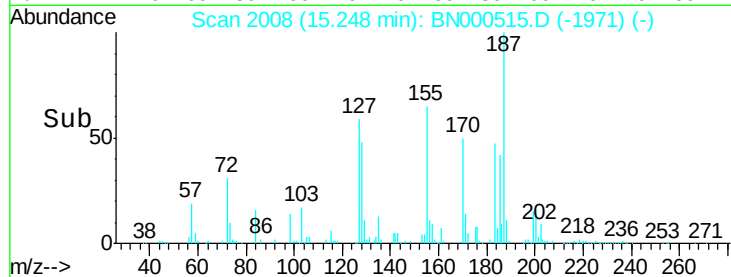
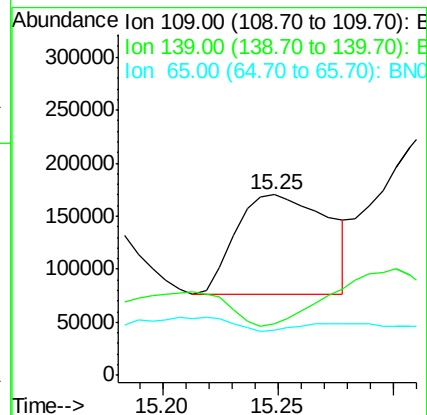
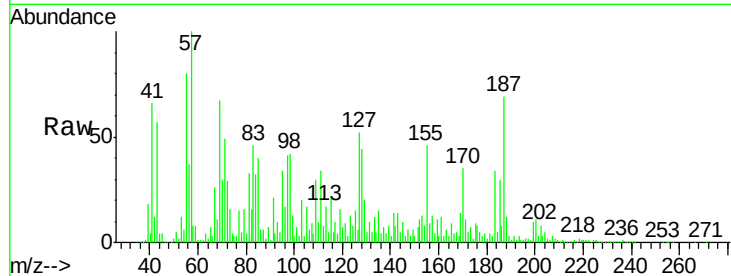
Tot Ion:109 Resp: 263457

Ion Ratio Lower Upper

109 100

139 28.5 91.2 136.8#

65 24.9 92.6 139.0#



#53

Dibenzofuran

Concen: 8.629 ng/ul

RT: 15.48 min Scan# 2048

Delta R.T. 0.05 min

Lab File: BN000515.D

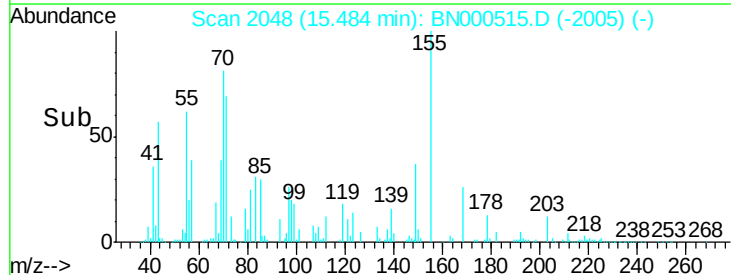
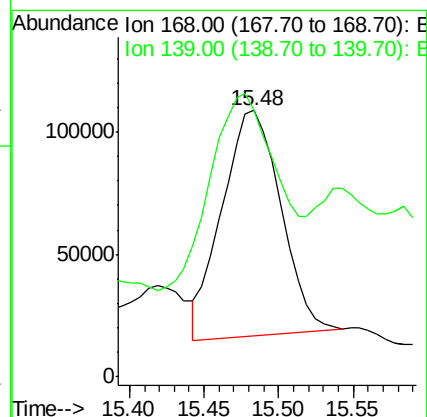
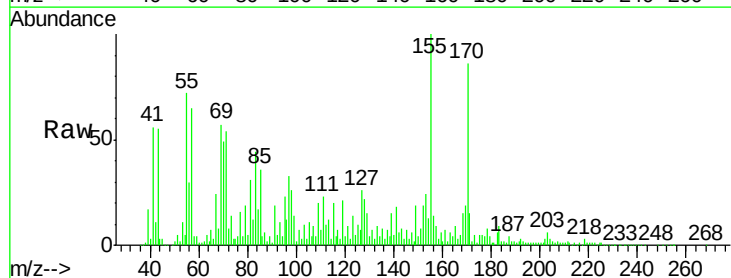
Acq: 21 Mar 2018 12:26

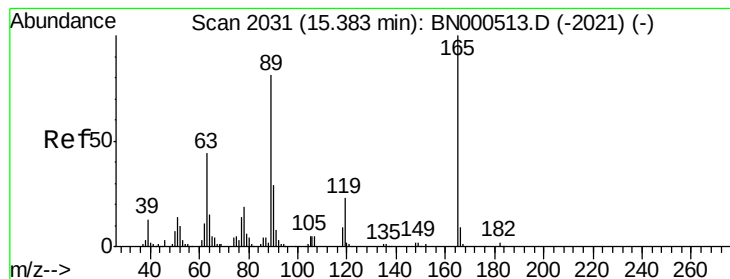
Tgt Ion:168 Resp: 251135

Ion Ratio Lower Upper

168 100

139 100.3 31.0 46.4#





#54

2,4-Dinitrotoluene

Concen: 2.736 ng/ul

RT: 15.41 min Scan# 2035

Delta R.T. 0.02 min

Lab File: BN000515.D

Acq: 21 Mar 2018 12:26

Instrument :

BNA_N

ClientSampleId :

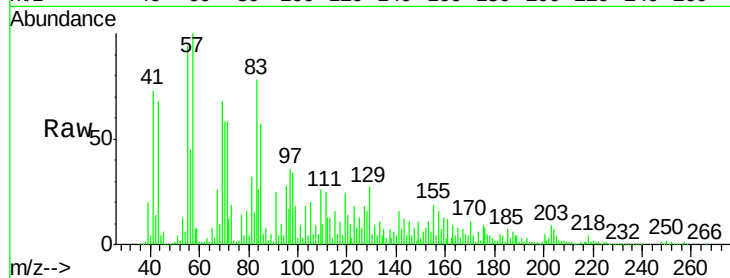
Tot Ion:165 Resp: 18798

Ion Ratio Lower Upper

165 100

63 35.1 31.4 47.0

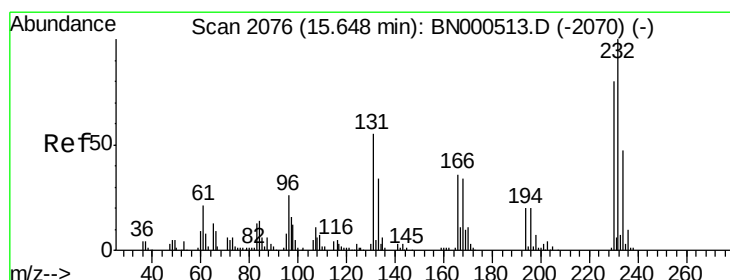
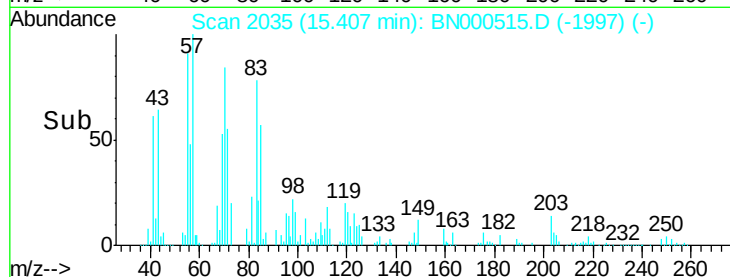
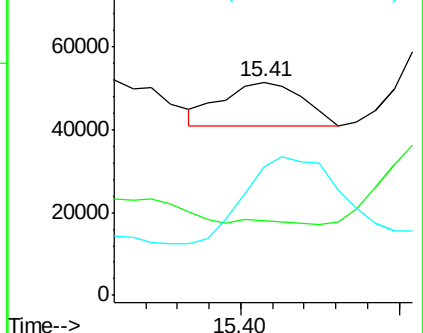
182 60.5 2.7 4.1#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BNO

Ion 182.00 (181.70 to 182.70): E



#55

2,3,4,6-Tetrachlorophenol

Concen: 121.746 ng/ul

RT: 15.65 min Scan# 2077

Delta R.T. 0.01 min

Lab File: BN000515.D

Acq: 21 Mar 2018 12:26

Tgt Ion:232 Resp: 608040

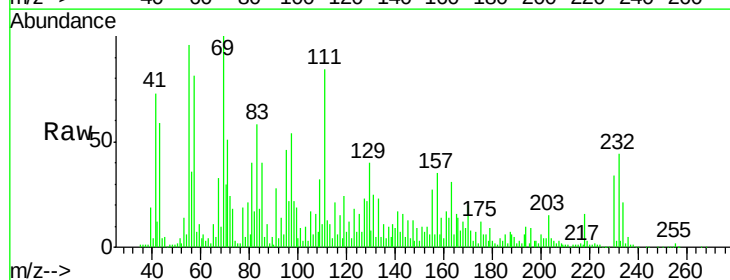
Ion Ratio Lower Upper

232 100

131 57.9 48.0 72.0

130 18.6 4.0 6.0#

166 31.8 32.0 48.0#

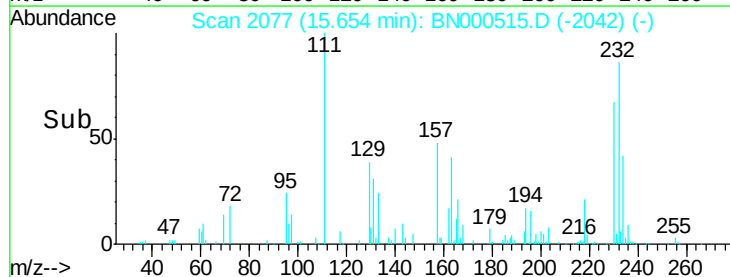
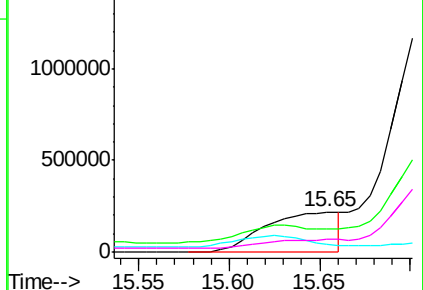


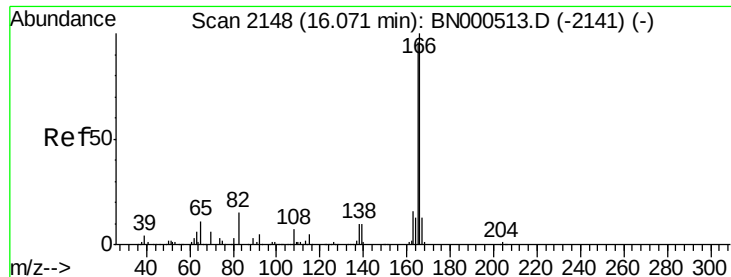
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E





#58

Fluorene

Concen: 26.317 ng/ul

RT: 16.13 min Scan# 2158

Delta R.T. 0.06 min

Lab File: BN000515.D

Acq: 21 Mar 2018 12:26

Instrument :

BNA_N

ClientSampled :

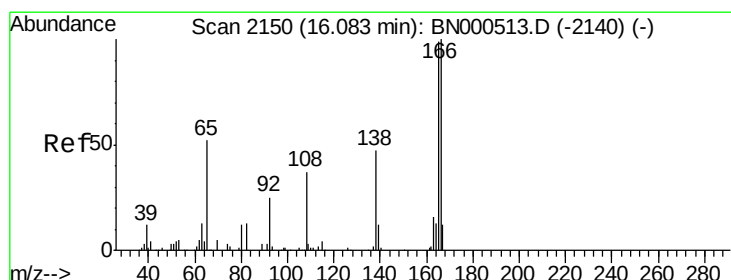
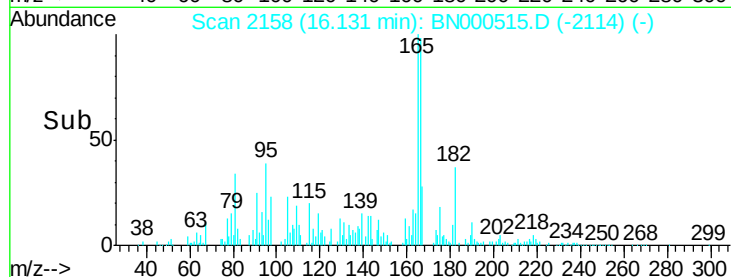
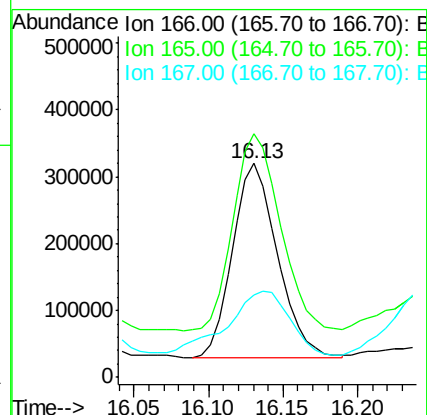
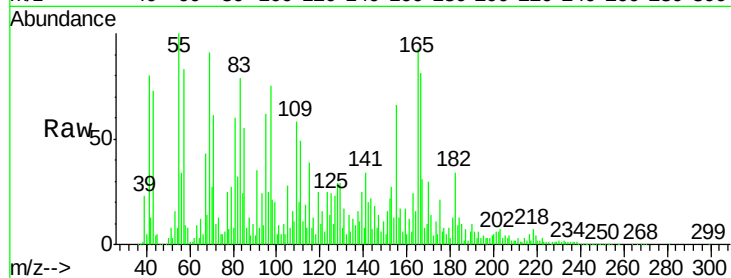
Tot Ion:166 Resp: 608633

Ion Ratio Lower Upper

166 100

165 114.0 78.4 117.6

167 38.4 11.1 16.7#



#60

4-Nitroaniline

Concen: 7.991 ng/ul

RT: 16.04 min Scan# 2143

Delta R.T. -0.04 min

Lab File: BN000515.D

Acq: 21 Mar 2018 12:26

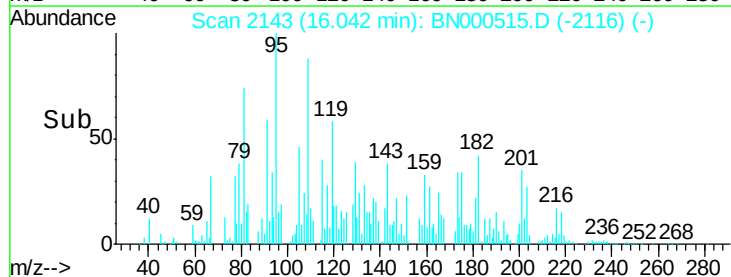
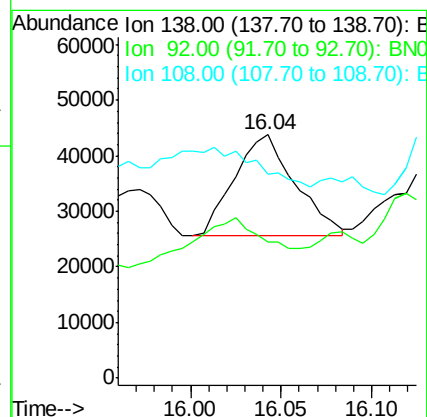
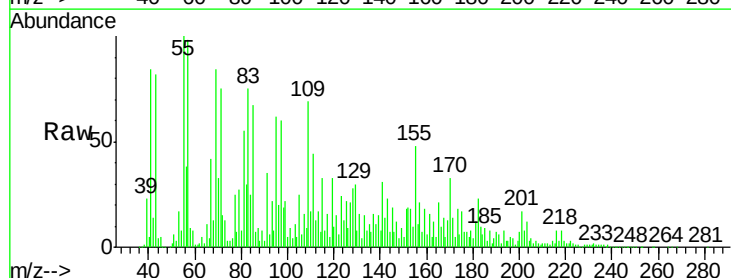
Tgt Ion:138 Resp: 42015

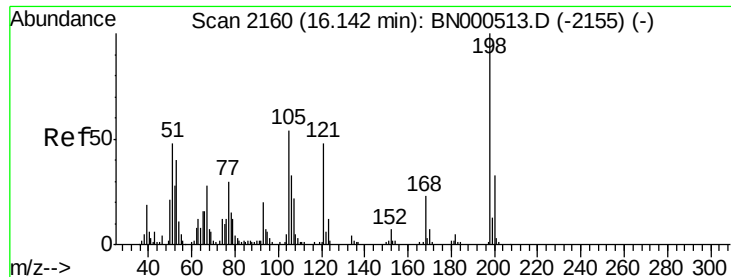
Ion Ratio Lower Upper

138 100

92 56.0 38.2 57.4

108 84.0 70.0 105.0





#63

4,6-Dinitro-2-methylphenol

Concen: 11672.208 ng/ul

RT: 16.22 min Scan# 2174

Delta R.T. 0.08 min

Lab File: BN000515.D

Acq: 21 Mar 2018 12:26

Instrument :

BNA_N

ClientSampleId :

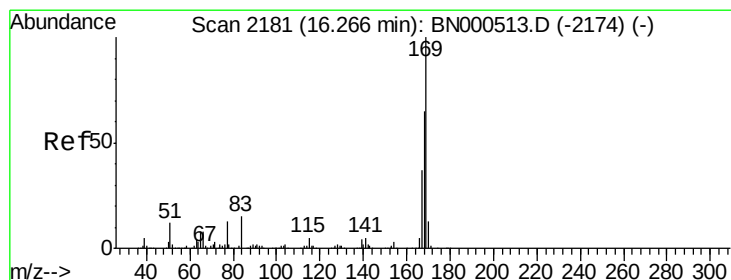
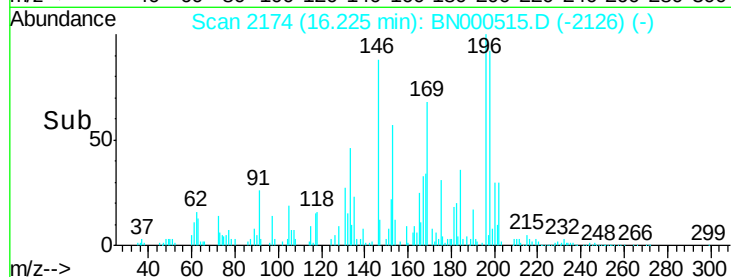
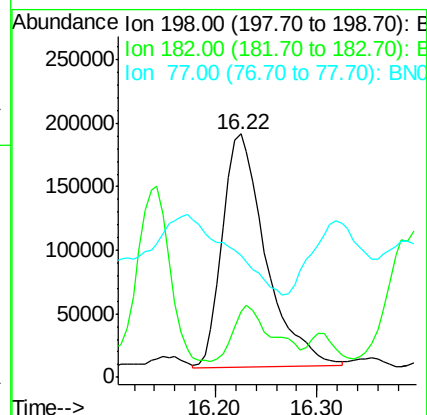
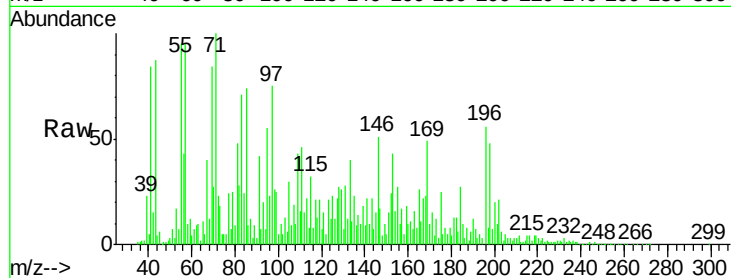
Tot Ion:198 Resp: 543620

Ion Ratio Lower Upper

198 100

182 27.1 3.5 5.3#

77 50.3 18.2 27.4#



#64

N-Nitrosodiphenylamine

Concen: 2404.063 ng/ul

RT: 16.32 min Scan# 2190

Delta R.T. 0.05 min

Lab File: BN000515.D

Acq: 21 Mar 2018 12:26

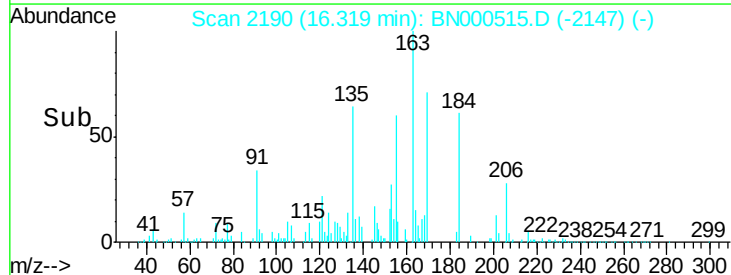
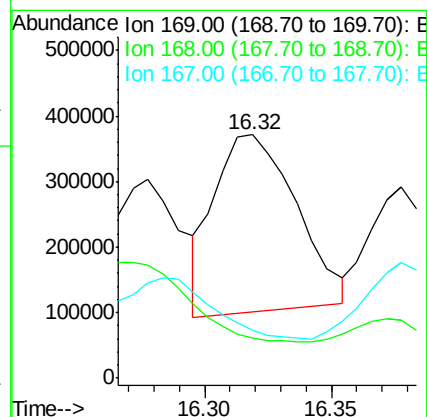
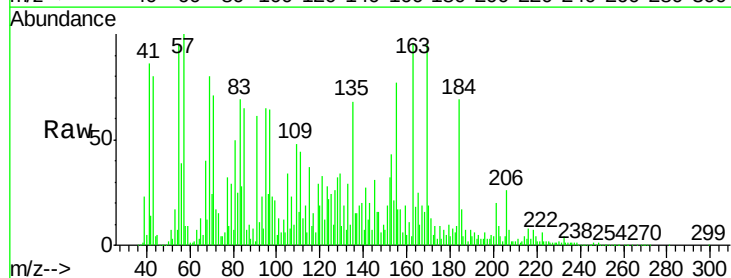
Tgt Ion:169 Resp: 610067

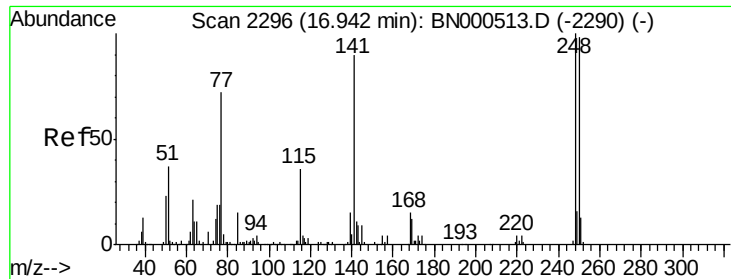
Ion Ratio Lower Upper

169 100

168 16.5 53.8 80.8#

167 19.9 29.5 44.3#

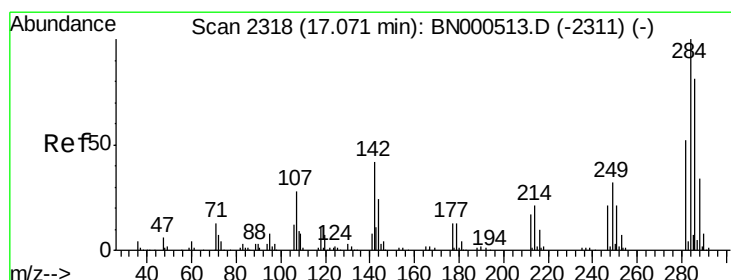
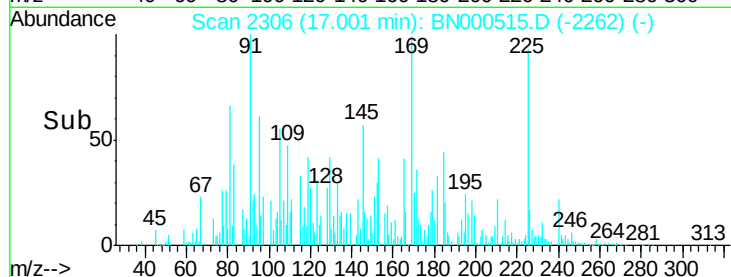
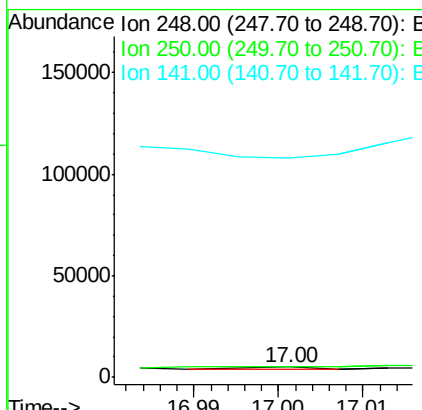
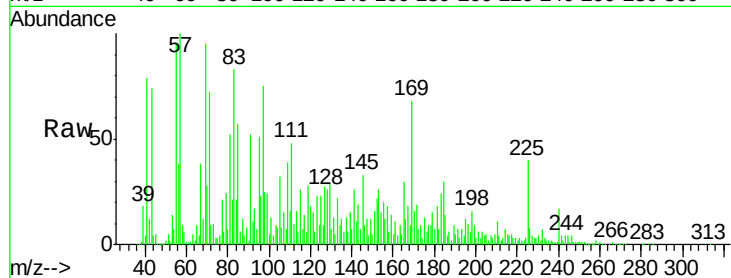




#65
4-Bromophenyl-phenylether
Concen: 7.221 ng/ul
RT: 17.00 min Scan# 2306
Delta R.T. 0.06 min
Lab File: BN000515.D
Acq: 21 Mar 2018 12:26

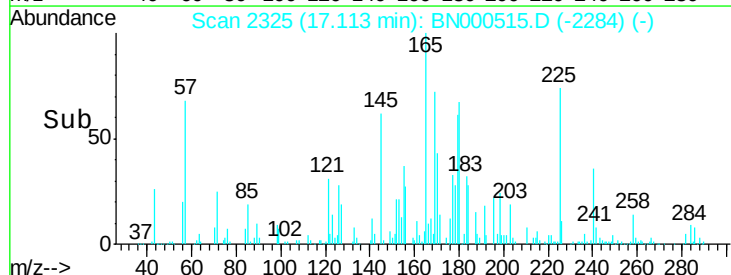
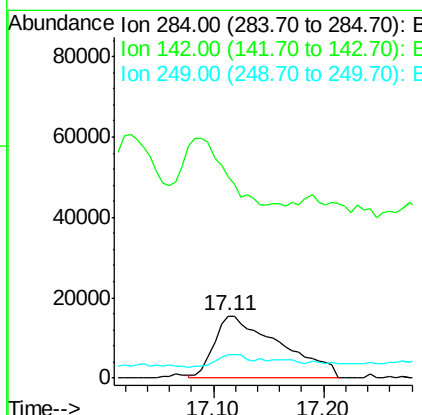
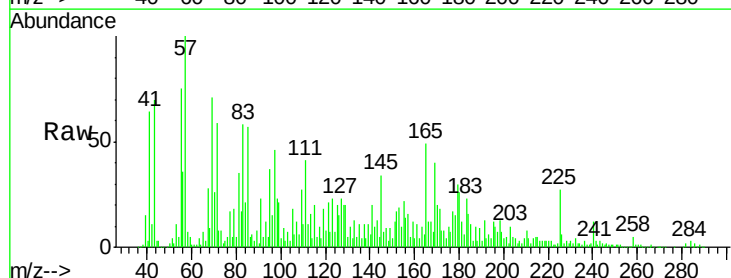
Instrument :
BNA_N
ClientSampleId :

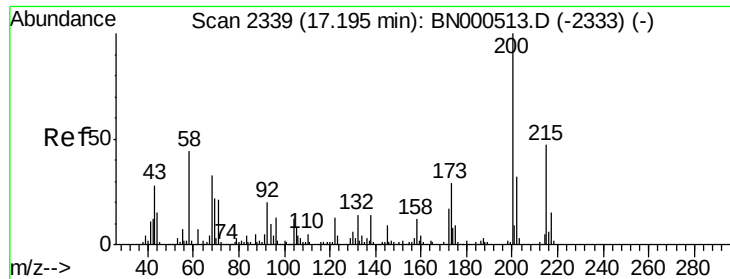
Tot Ion:248 Resp: 567
Ion Ratio Lower Upper
248 100
250 104.7 79.0 118.4
141 2143.3 51.9 77.9#



#66
Hexachlorobenzene
Concen: 777.302 ng/ul
RT: 17.11 min Scan# 2325
Delta R.T. 0.04 min
Lab File: BN000515.D
Acq: 21 Mar 2018 12:26

Tgt Ion:284 Resp: 64442
Ion Ratio Lower Upper
284 100
142 323.3 21.3 31.9#
249 38.6 26.3 39.5





#67

Atrazine

Concen: 44.972 ng/ul

RT: 17.26 min Scan# 2350

Delta R.T. 0.07 min

Lab File: BN000515.D

Acq: 21 Mar 2018 12:26

Instrument :

BNA_N

ClientSampled :

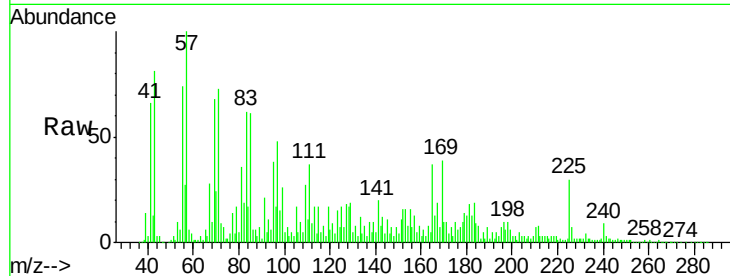
Tot Ion:200 Resp: 3442

Ion Ratio Lower Upper

200 100

173 269.0 20.6 31.0#

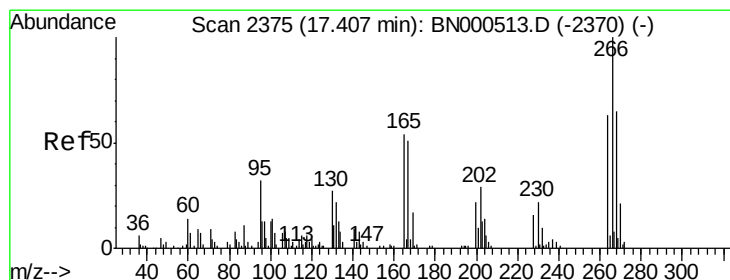
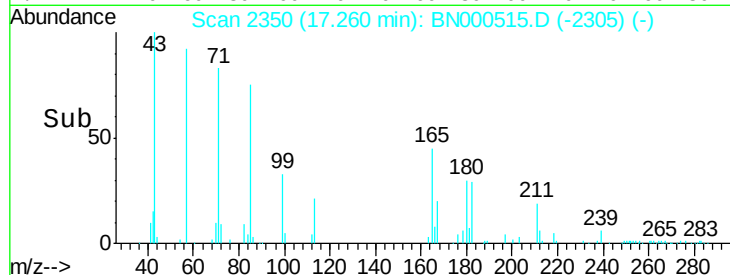
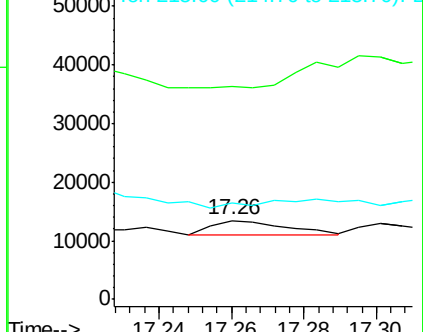
215 121.8 39.8 59.6#



Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#68

Pentachlorophenol

Concen: 165536.765 ng/ul

RT: 17.49 min Scan# 2389

Delta R.T. 0.08 min

Lab File: BN000515.D

Acq: 21 Mar 2018 12:26

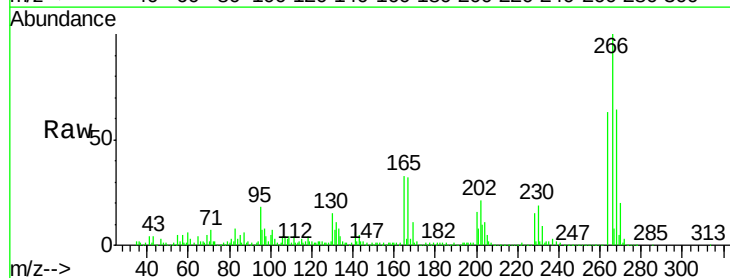
Tgt Ion:266 Resp: 7245206

Ion Ratio Lower Upper

266 100

264 62.8 48.2 72.4

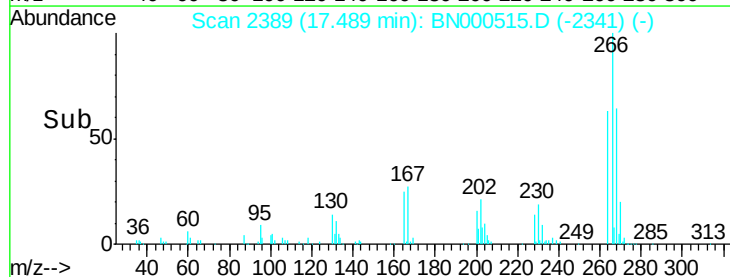
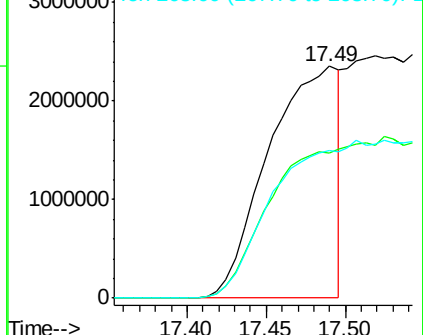
268 63.8 52.3 78.5

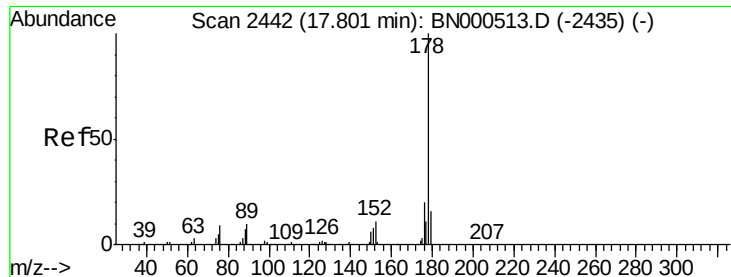


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#69

Phenanthrene

Concen: 7803.622 ng/ul

RT: 17.94 min Scan# 2465

Delta R.T. 0.14 min

Lab File: BN000515.D

Acq: 21 Mar 2018 12:26

Instrument :

BNA_N

ClientSampled :

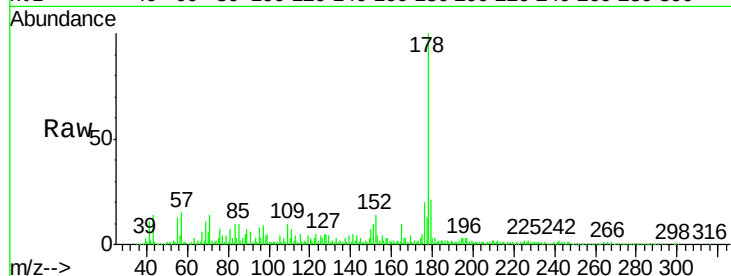
Tot Ion:178 Resp: 3463008

Ion Ratio Lower Upper

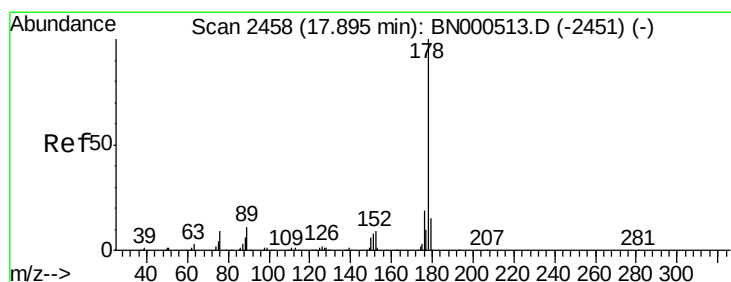
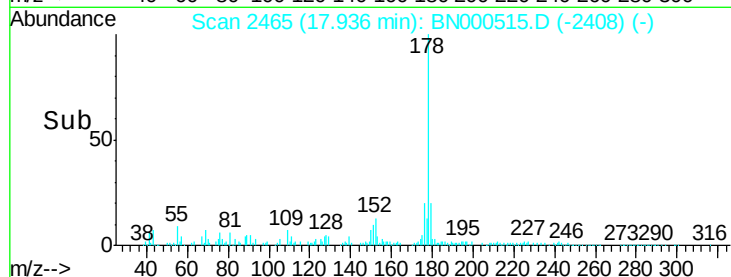
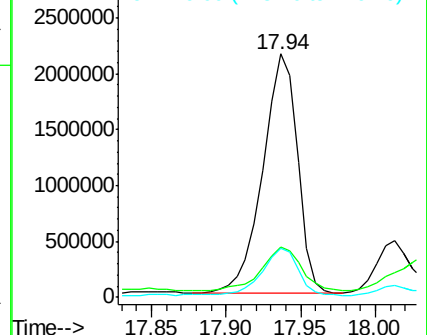
178 100

179 20.6 12.3 18.5#

176 20.2 15.4 23.0



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E



#71

Anthracene

Concen: 7610.536 ng/ul

RT: 17.94 min Scan# 2465

Delta R.T. 0.04 min

Lab File: BN000515.D

Acq: 21 Mar 2018 12:26

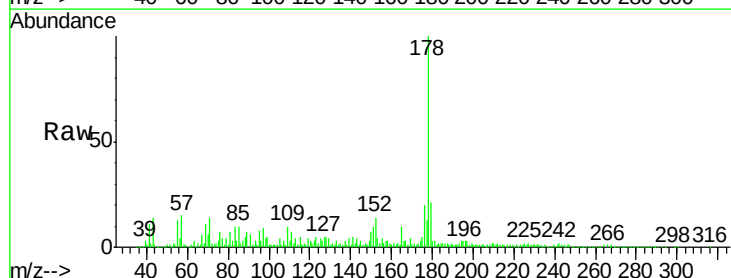
Tgt Ion:178 Resp: 3463008

Ion Ratio Lower Upper

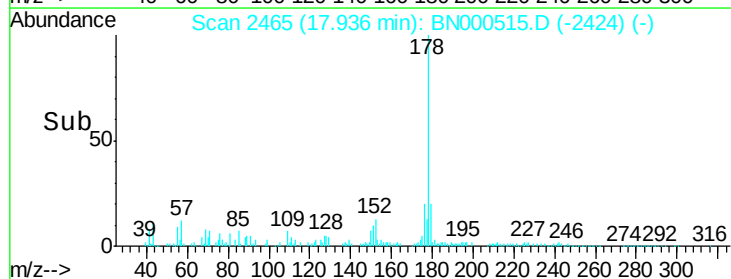
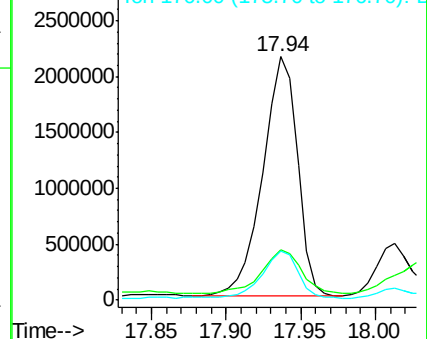
178 100

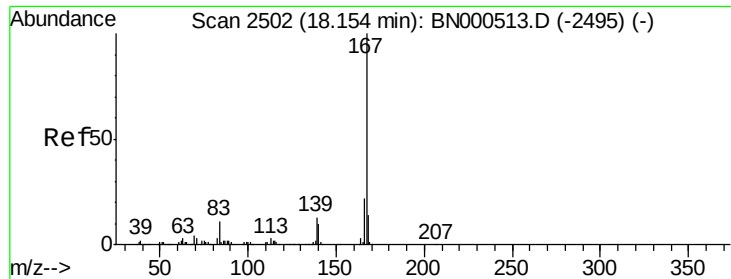
179 20.6 13.4 20.2#

176 20.2 15.4 23.0



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E

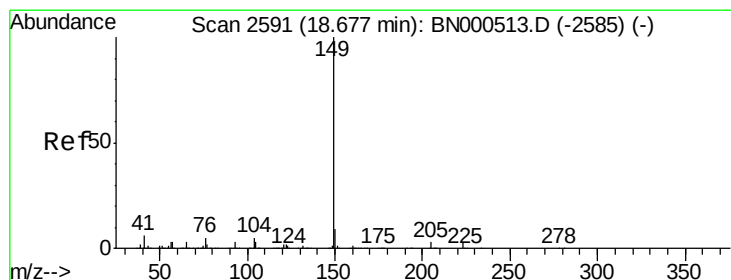
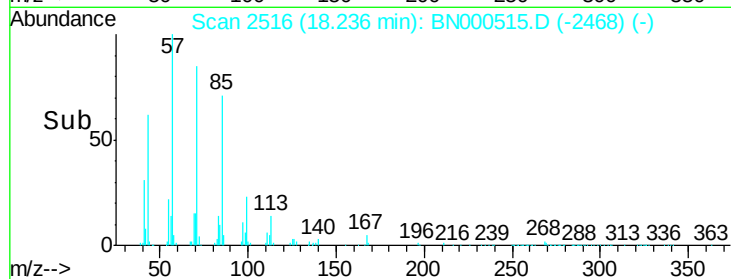
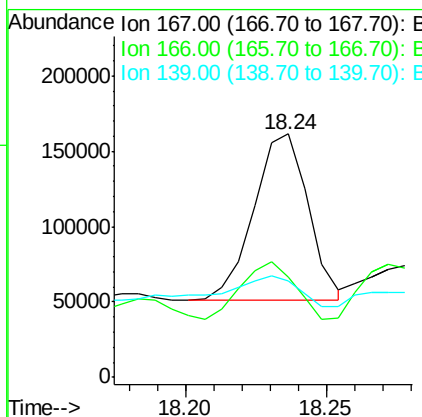
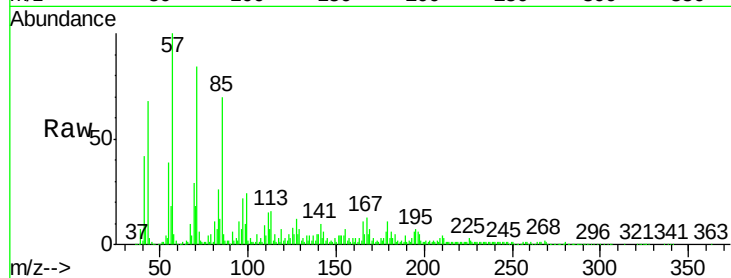




#72
 Carbazole
 Concen: 378.620 ng/ul
 RT: 18.24 min Scan# 2516
 Delta R.T. 0.08 min
 Lab File: BN000515.D
 Acq: 21 Mar 2018 12:26

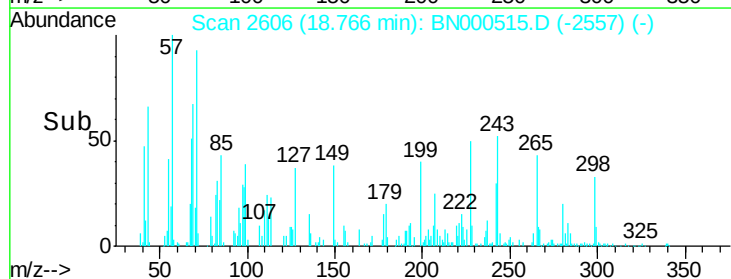
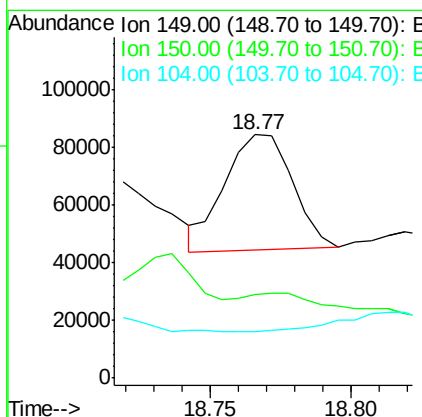
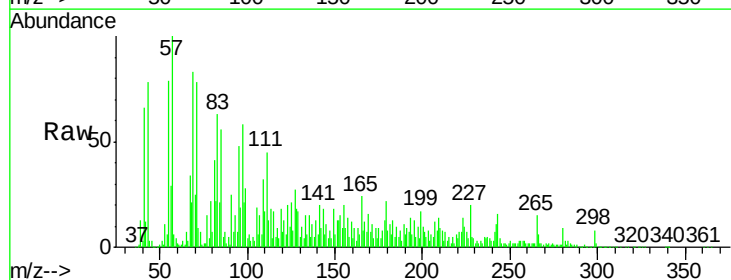
Instrument :
 BNA_N
 ClientSampleId :

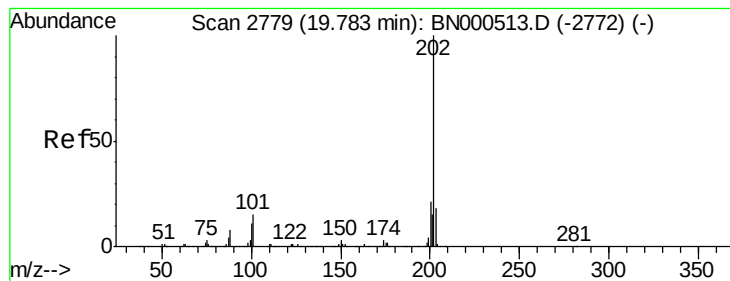
Tot Ion:167 Resp: 147739
 Ion Ratio Lower Upper
 167 100
 166 41.1 17.0 25.4#
 139 39.7 9.1 13.7#



#73
 Di-n-butylphthalate
 Concen: 126.095 ng/ul
 RT: 18.77 min Scan# 2606
 Delta R.T. 0.09 min
 Lab File: BN000515.D
 Acq: 21 Mar 2018 12:26

Tgt Ion:149 Resp: 66911
 Ion Ratio Lower Upper
 149 100
 150 34.3 7.5 11.3#
 104 18.9 4.1 6.1#





#74

Fluoranthene

Concen: 42.737 ng/ul

RT: 19.90 min Scan# 2799

Delta R.T. 0.12 min

Lab File: BN000515.D

Acq: 21 Mar 2018 12:26

Instrument :

BNA_N

ClientSampled :

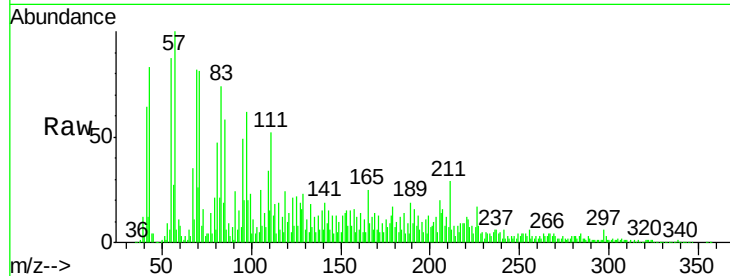
Tot Ion:202 Resp: 18846

Ion Ratio Lower Upper

202 100

101 104.3 6.1 9.1#

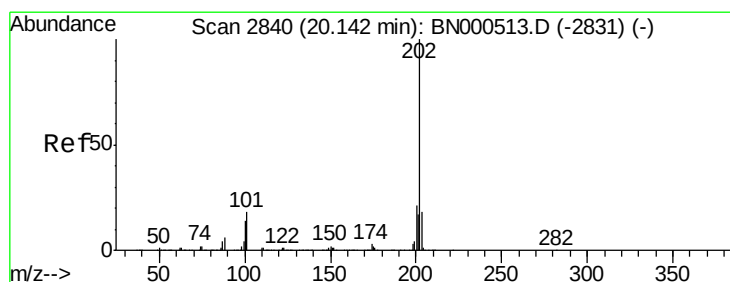
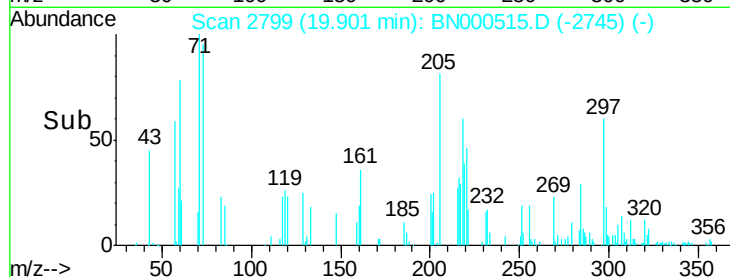
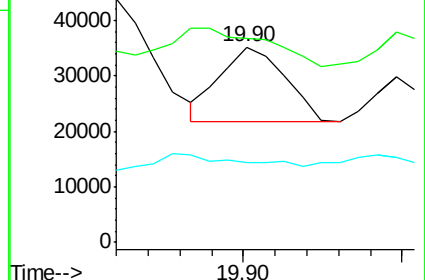
100 40.8 4.6 7.0#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#77

Pyrene

Concen: 632.073 ng/ul

RT: 20.24 min Scan# 2856

Delta R.T. 0.09 min

Lab File: BN000515.D

Acq: 21 Mar 2018 12:26

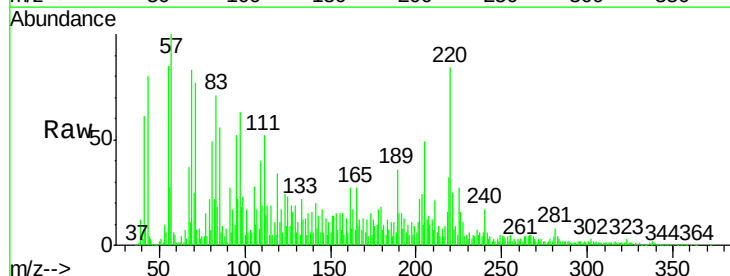
Tgt Ion:202 Resp: 65833

Ion Ratio Lower Upper

202 100

101 78.7 6.9 10.3#

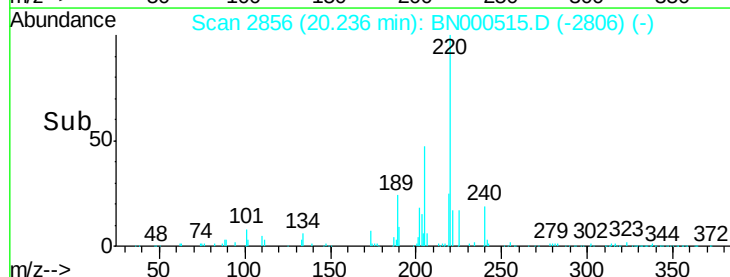
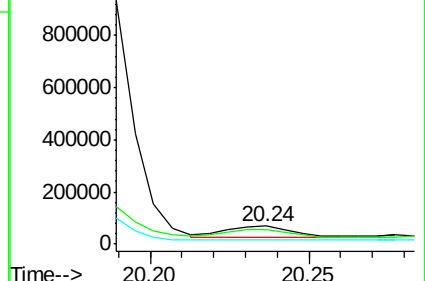
100 24.2 5.6 8.4#

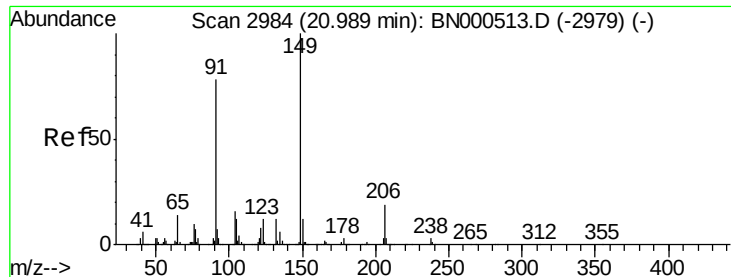


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#78

Butylbenzylphthalate

Concen: 461.058 ng/ul

RT: 21.01 min Scan# 2987

Delta R.T. 0.02 min

Lab File: BN000515.D

Acq: 21 Mar 2018 12:26

Instrument :

BNA_N

ClientSampled :

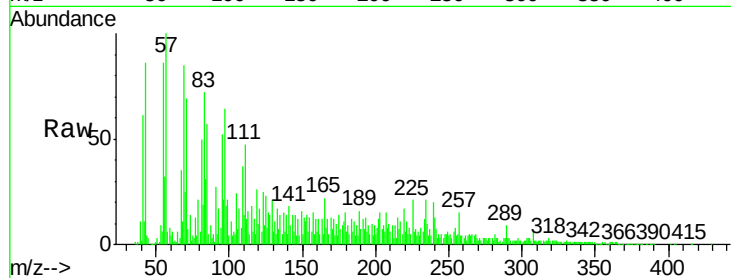
Tot Ion:149 Resp: 23853

Ion Ratio Lower Upper

149 100

91 168.9 53.4 80.0#

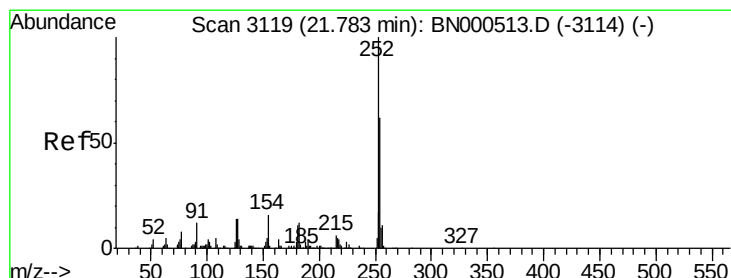
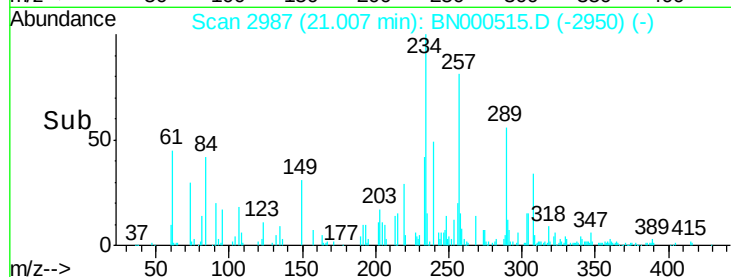
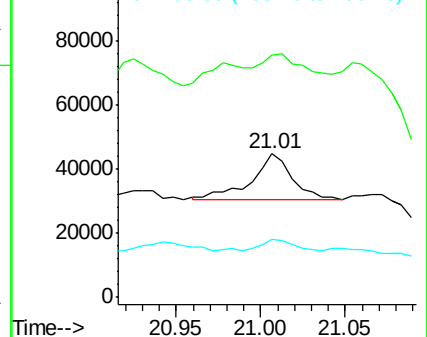
206 40.7 19.3 28.9#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BNO

Ion 206.00 (205.70 to 206.70): E



#79

3,3'-Dichlorobenzidine

Concen: 118.740 ng/ul

RT: 21.88 min Scan# 3135

Delta R.T. 0.09 min

Lab File: BN000515.D

Acq: 21 Mar 2018 12:26

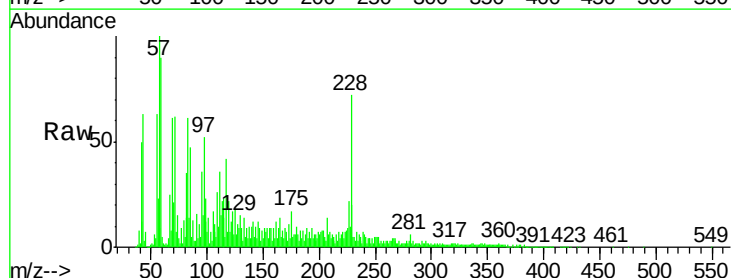
Tgt Ion:252 Resp: 3308

Ion Ratio Lower Upper

252 100

254 75.6 52.8 79.2

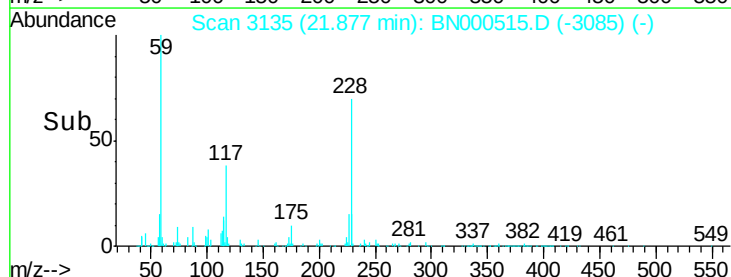
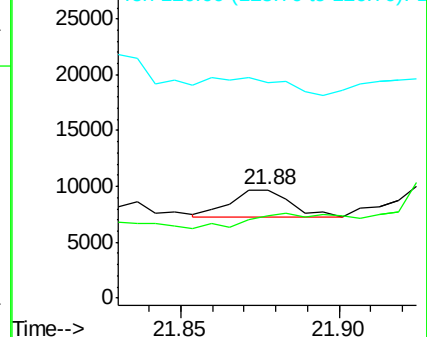
126 199.4 6.9 10.3#

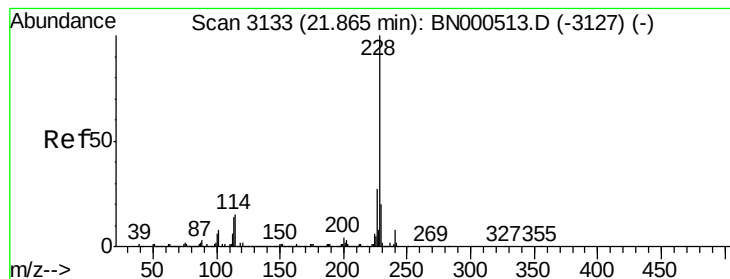


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#80

Benzo(a)anthracene

Concen: 5143.530 ng/ul

RT: 21.94 min Scan# 3146

Delta R.T. 0.08 min

Lab File: BN000515.D

Acq: 21 Mar 2018 12:26

Instrument :

BNA_N

ClientSampleId :

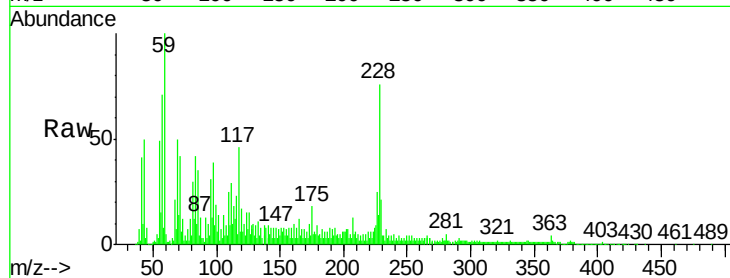
Tot Ion:228 Resp: 488701

Ion Ratio Lower Upper

228 100

229 27.4 16.0 24.0#

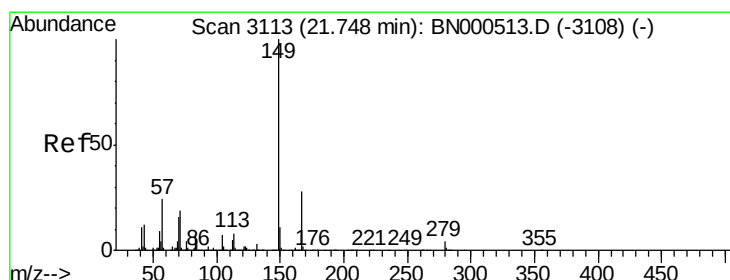
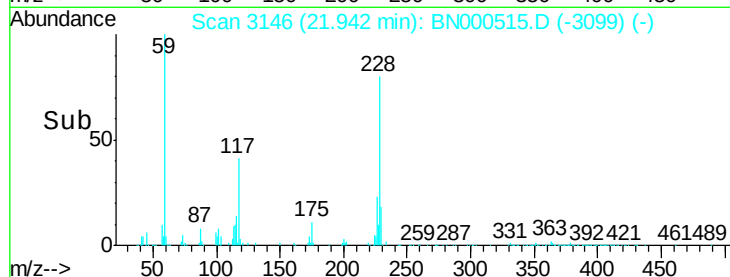
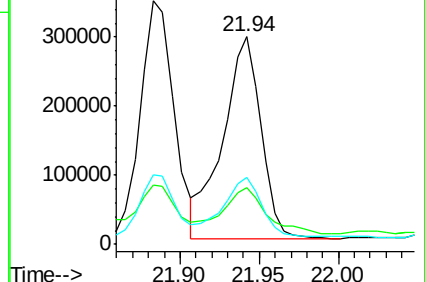
226 32.5 21.8 32.8



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E



#81

Bis(2-ethylhexyl)phthalate

Concen: 30035.161 ng/ul

RT: 21.76 min Scan# 3115

Delta R.T. 0.01 min

Lab File: BN000515.D

Acq: 21 Mar 2018 12:26

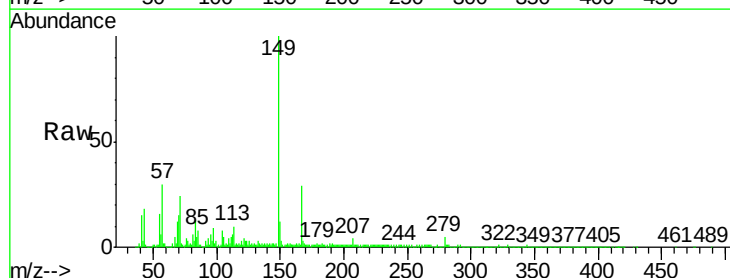
Tgt Ion:149 Resp: 2255915

Ion Ratio Lower Upper

149 100

167 29.0 23.0 34.6

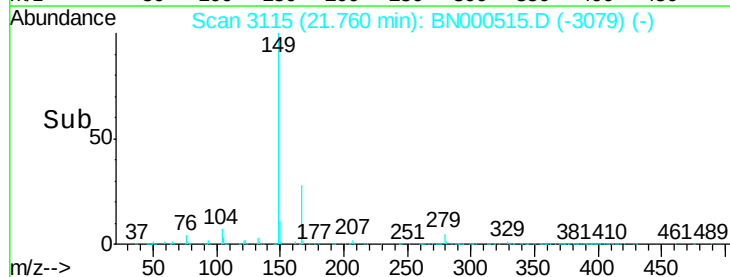
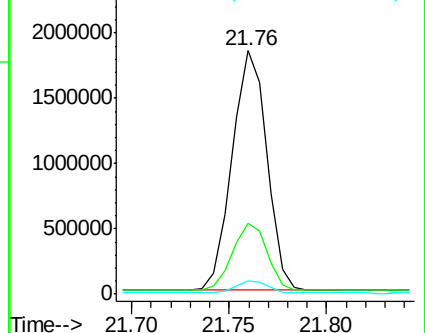
279 5.3 4.3 6.5

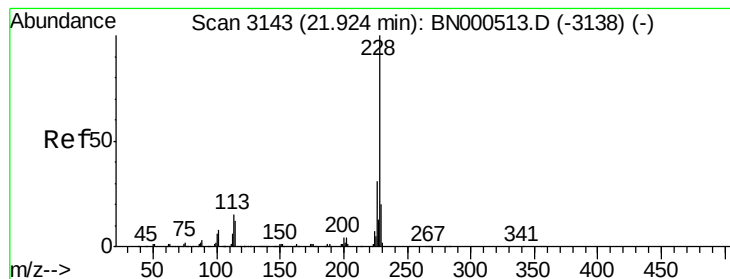


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#82

Chrysene

Concen: 35.398 ng/ul

RT: 22.02 min Scan# 3159

Delta R.T. 0.09 min

Lab File: BN000515.D

Acq: 21 Mar 2018 12:26

Instrument :

BNA_N

ClientSampleId :

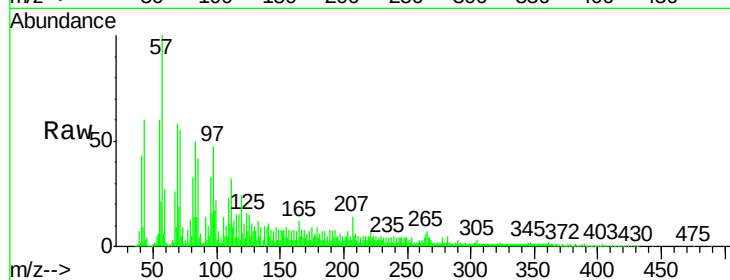
Tot Ion:228 Resp: 3153

Ion Ratio Lower Upper

228 100

226 107.0 24.1 36.1#

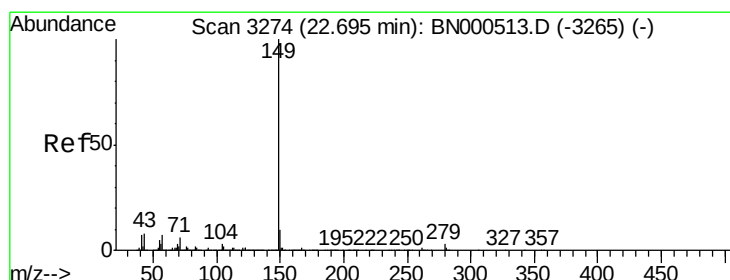
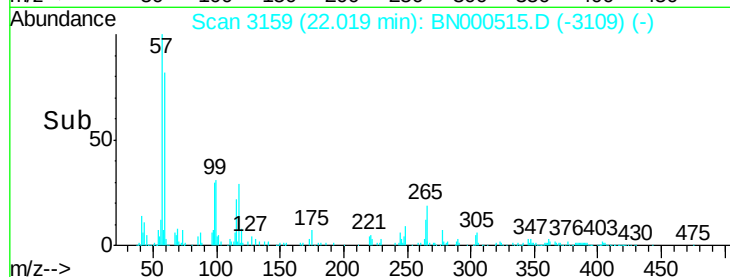
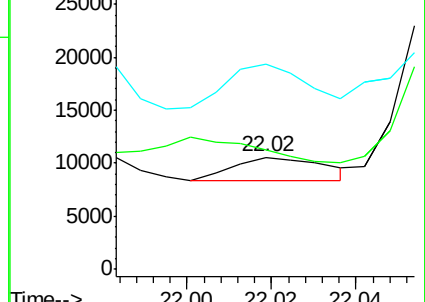
229 183.8 16.0 24.0#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Di-n-octyl phthalate

Concen: 20.978 ng/ul

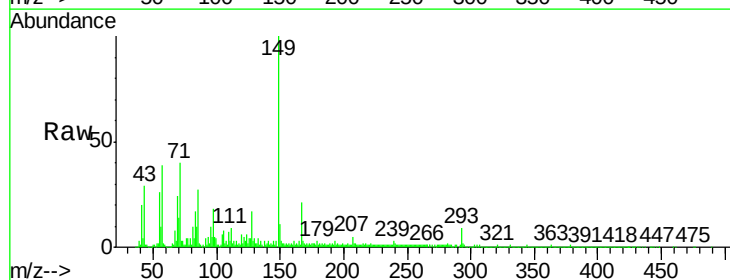
RT: 22.72 min Scan# 3278

Delta R.T. 0.02 min

Lab File: BN000515.D

Acq: 21 Mar 2018 12:26

Tgt Ion:149 Resp: 1097049



Abundance Ion 149.00 (148.70 to 149.70): E

1200000

1000000

800000

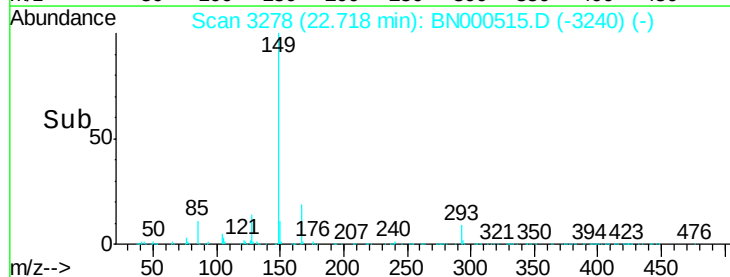
600000

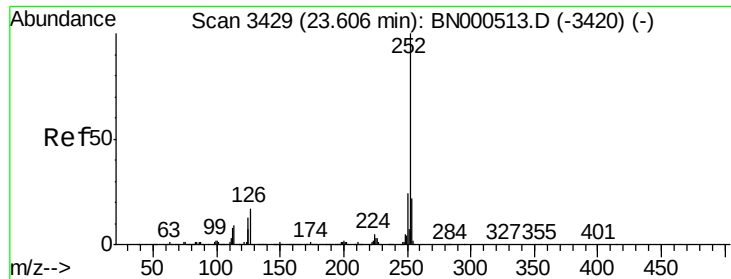
400000

200000

0

Time-->





#85

Benzo(b)fluoranthene

Concen: 9.726 ng/ul

RT: 23.64 min Scan# 3434

Delta R.T. 0.03 min

Lab File: BN000515.D

Acq: 21 Mar 2018 12:26

Instrument :

BNA_N

ClientSampleId :

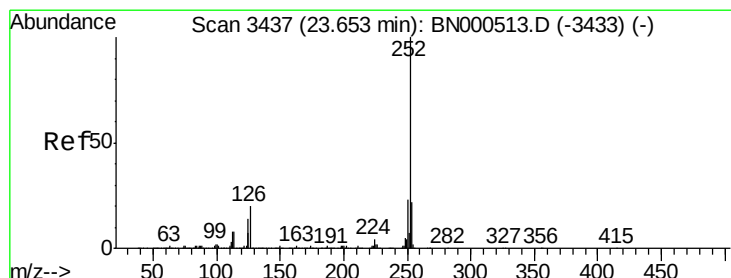
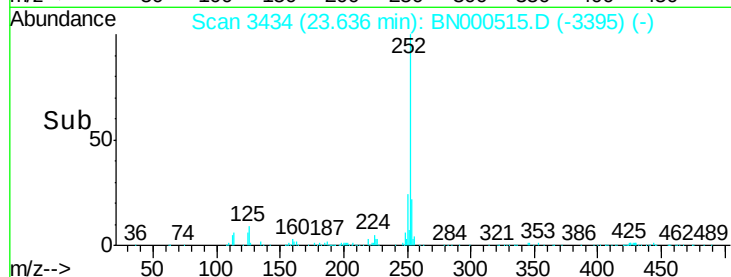
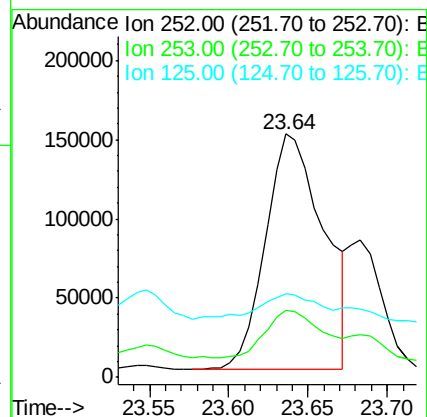
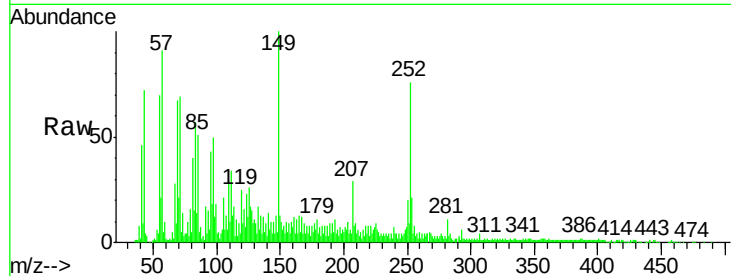
Tot Ion:252 Resp: 381802

Ion Ratio Lower Upper

252 100

253 27.6 17.4 26.0#

125 34.1 4.9 7.3#



#86

Benzo(k)fluoranthene

Concen: 10.074 ng/ul

RT: 23.64 min Scan# 3434

Delta R.T. -0.02 min

Lab File: BN000515.D

Acq: 21 Mar 2018 12:26

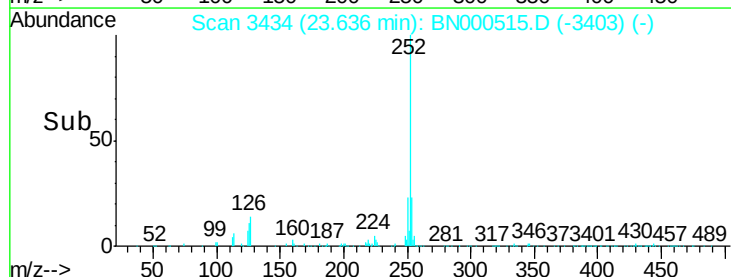
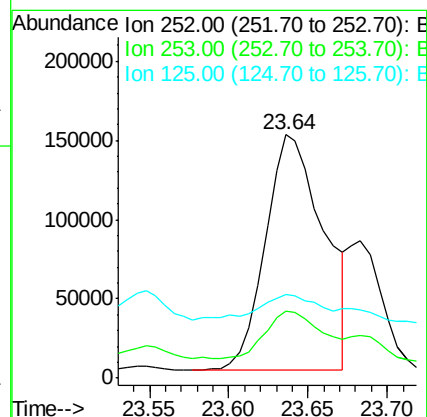
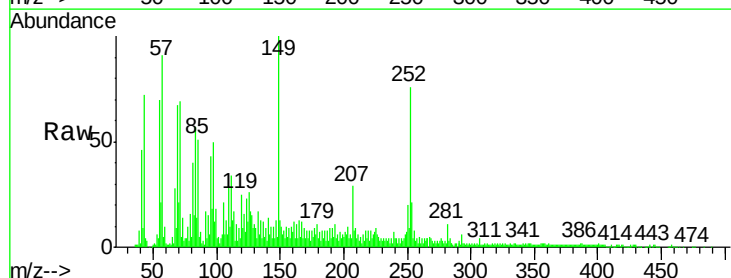
Tgt Ion:252 Resp: 381802

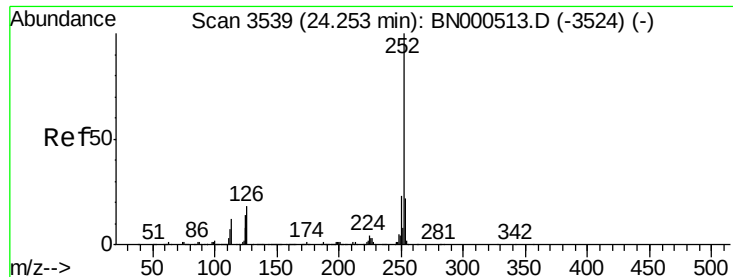
Ion Ratio Lower Upper

252 100

253 27.6 17.1 25.7#

125 34.1 5.4 8.0#





#88

Benzo(a)pyrene

Concen: 6.497 ng/ul

RT: 24.29 min Scan# 3545

Delta R.T. 0.04 min

Lab File: BN000515.D

Acq: 21 Mar 2018 12:26

Instrument :

BNA_N

ClientSampleId :

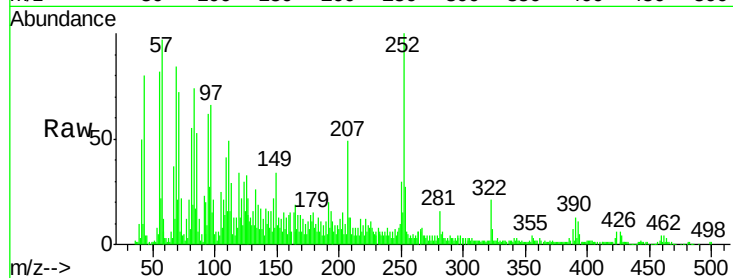
Tot Ion:252 Resp: 240055

Ion Ratio Lower Upper

252 100

253 27.0 17.2 25.8#

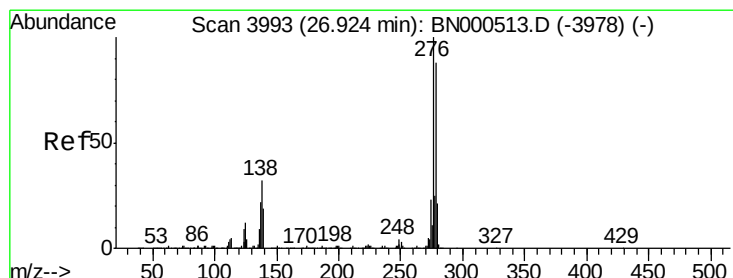
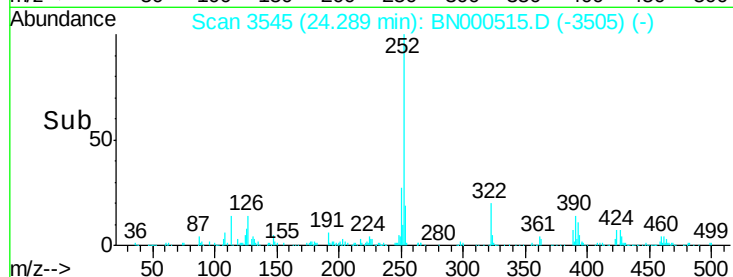
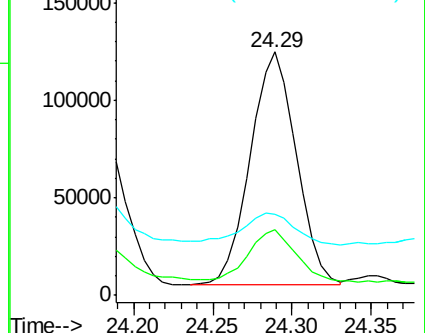
125 33.2 5.8 8.6#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Indeno(1,2,3-cd)pyrene

Concen: 2.896 ng/ul

RT: 26.97 min Scan# 4000

Delta R.T. 0.04 min

Lab File: BN000515.D

Acq: 21 Mar 2018 12:26

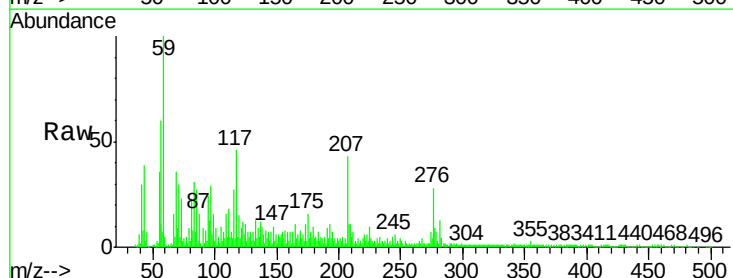
Tgt Ion:276 Resp: 115371

Ion Ratio Lower Upper

276 100

138 34.7 10.9 16.3#

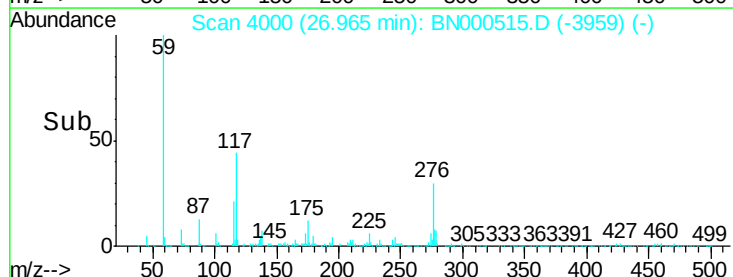
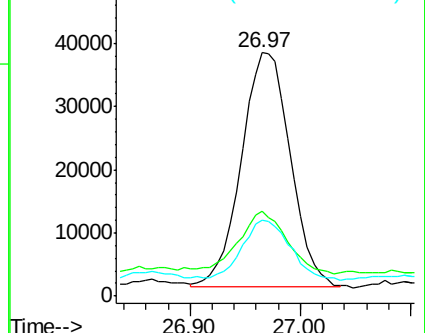
277 31.1 18.9 28.3#

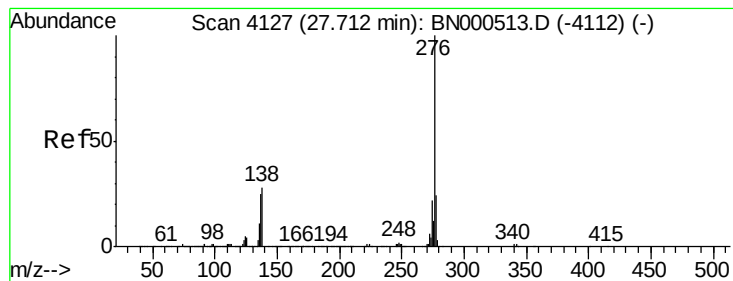


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#91

Benzo(a,h,i)perylene

Concen: 3.099 ng/ul

RT: 27.76 min Scan# 4135

Delta R.T. 0.05 min

Lab File: BN000515.D

Acq: 21 Mar 2018 12:26

Instrument :

BNA_N

ClientSampleId :

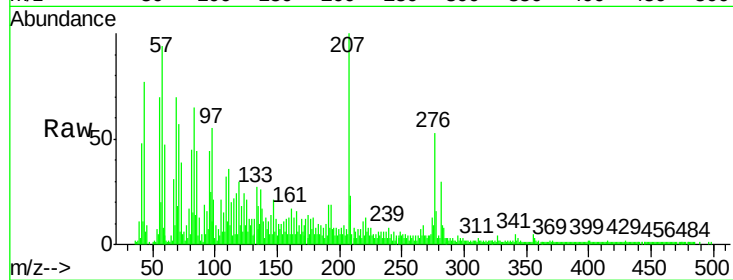
Tot Ion: 276 Resp: 102594

Ion Ratio Lower Upper

276 100

138 33.2 11.2 16.8#

277 29.5 19.0 28.6#



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

