

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN070918\
 Data File : BN001995.D
 Acq On : 09 Jul 2018 13:02
 Operator : JU/SJ
 Sample : J3775-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Jul 09 18:18:45 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061918.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jul 09 00:48:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.70	152	468057	20.00	ng/ul	0.00
18) Naphthalene-d8	10.48	136	2217779	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.33	164	1358518	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.08	188	3143408	20.00	ng/ul	0.00
75) Chrysene-d12	21.29	240	3448275	20.00	ng/ul	0.00
83) Perylene-d12	23.52	264	3747927	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.26	96	33834	3.14	ng/uL	0.00
5) Phenol-d5	6.88	99	925310	21.85	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.05	67	568685	21.76	ng/ul	0.00
9) 2-Chlorophenol-d4	7.24	132	719462	21.42	ng/ul	0.00
13) 4-Methylphenol-d8	8.41	113	705088	20.78	ng/ul	0.00
19) Nitrobenzene-d5	8.85	128	379207	23.02	ng/ul	0.00
22) 2-Nitrophenol-d4	9.57	143	427174	25.06	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.10	165	776473	21.34	ng/ul	0.00
29) 4-Chloroaniline-d4	10.62	131	1030329	27.35	ng/ul	0.00
43) Dimethylphthalate-d6	13.75	166	3338510	29.10	ng/ul	0.00
46) Acenaphthylene-d8	14.03	160	3510962	24.79	ng/ul	0.00
51) 4-Nitrophenol-d4	14.55	143	702810	33.26	ng/ul	0.00
57) Fluorene-d10	15.33	176	2799328	27.84	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.46	200	648828	37.89	ng/ul	0.00
70) Anthracene-d10	17.18	188	4902285	32.28	ng/ul	0.00
76) Pyrene-d10	19.48	212	5613016	32.29	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.38	264	6742683	33.08	ng/ul	0.01

Target Compounds

					Ovalue	
2) 1,4-Dioxane	3.30	88	75619	6.811	ng/uL#	73
12) 2,2'-oxybis(1-Chloropropan	8.23	45	791897	15.245	ng/ul	94
20) Nitrobenzene	8.89	77	667644	16.514	ng/ul	94
23) 2-Nitrophenol	9.60	139	428518	23.071	ng/ul	94
25) Bis(2-Chloroethoxy)methane	9.90	93	634176	12.680	ng/ul	98
27) 2,4-Dichlorophenol	10.13	162	517286	14.632	ng/ul	97
28) Naphthalene	10.53	128	1084256	9.213	ng/ul	99
30) 4-Chloroaniline	10.53	127	141867	3.810	ng/ul#	3
33) 4-Chloro-3-methylphenol	11.77	107	1942766	49.853	ng/ul	95
34) 2-Methylnaphthalene	12.15	142	1933534	22.650	ng/ul	99
37) Hexachlorocyclopentadiene	12.50	237	578573	21.506	ng/ul#	96
38) 2,4,6-Trichlorophenol	12.76	196	457104	15.883	ng/ul	98
39) 2,4,5-Trichlorophenol	12.76	196	396596	12.942	ng/ul	97
41) 2-Chloronaphthalene	13.20	162	1504665	17.082	ng/ul	99
44) Dimethylphthalate	13.80	163	497989	4.417	ng/ul	99
45) 2,6-Dinitrotoluene	13.92	165	278363	13.075	ng/ul	97
47) Acenaphthylene	14.06	152	1926121	14.090	ng/ul	99
49) Acenaphthene	14.40	153	1133843	11.956	ng/ul	98
54) 2,4-Dinitrotoluene	14.70	165	1113579	35.179	ng/ul	92
55) 2,3,4,6-Tetrachlorophenol	14.96	232	1023698	37.850	ng/ul#	84
58) Fluorene	15.39	166	1353596	12.471	ng/ul	99
59) 4-Chlorophenyl-phenylether	15.39	204	1086136	19.974	ng/ul	93
63) 4,6-Dinitro-2-methylphenol	15.47	198	2131548	117.291	ng/ul#	98

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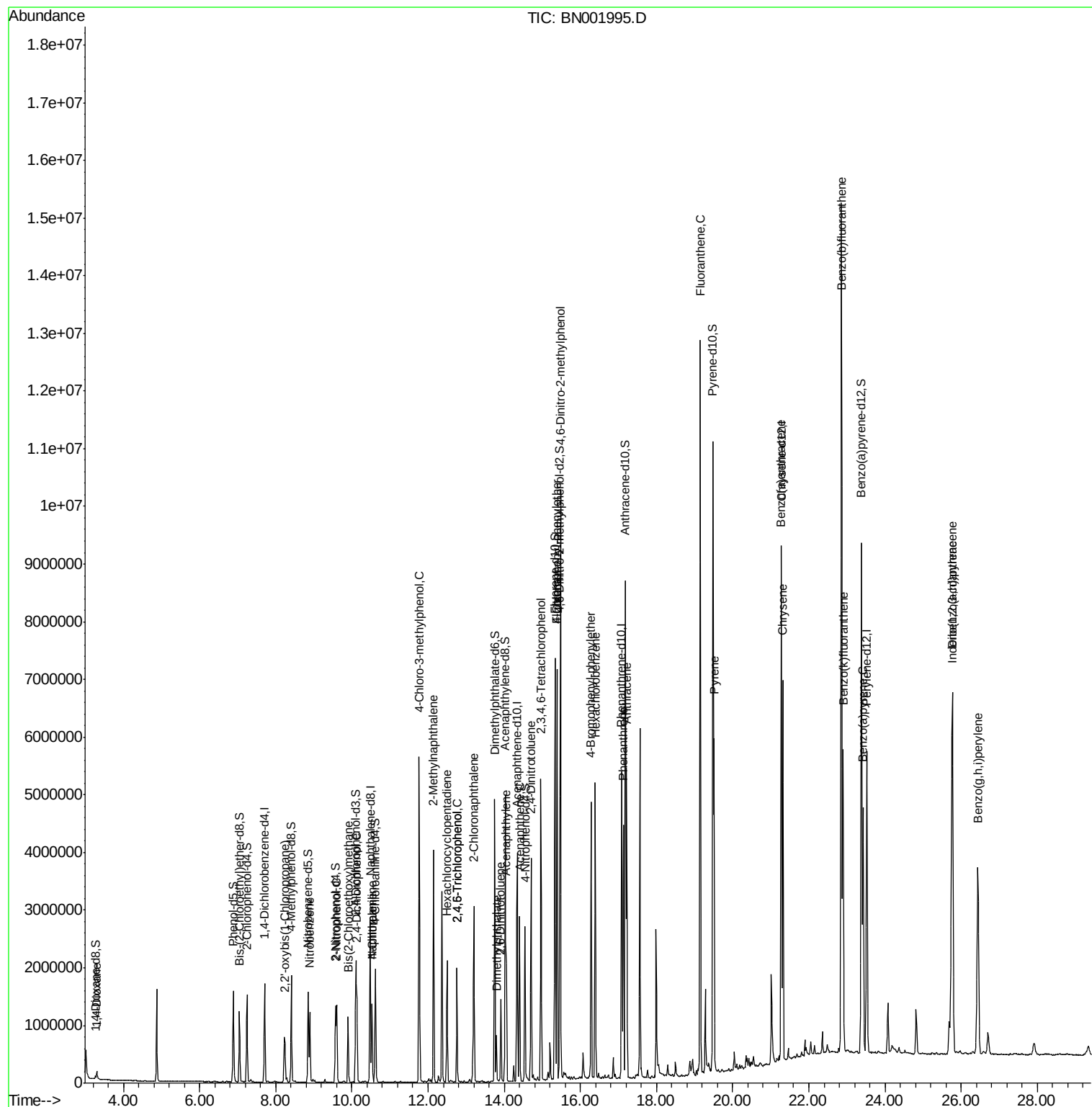
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) 4-Bromophenyl-phenylether	16.28	248	901841	26.412	ng/ul	96
66) Hexachlorobenzene	16.39	284	1075711	27.972	ng/ul#	91
69) Phenanthrene	17.13	178	2699330	15.244	ng/ul	99
71) Anthracene	17.22	178	3178969	17.736	ng/ul	98
74) Fluoranthene	19.15	202	7653292	41.118	ng/ul#	87
77) Pyrene	19.51	202	3314912	15.362	ng/ul#	86
80) Benzo(a)anthracene	21.27	228	3335412	15.305	ng/ul	100
82) Chrysene	21.32	228	3092614	15.252	ng/ul	100
85) Benzo(b)fluoranthene	22.86	252	10155978	42.903	ng/ul#	94
86) Benzo(k)fluoranthene	22.90	252	3265738	14.227	ng/ul#	95
88) Benzo(a)pyrene	23.43	252	2624109	11.863	ng/ul#	95
89) Indeno(1,2,3-cd)pyrene	25.76	276	4286689	18.212	ng/ul#	86
90) Dibenzo(a,h)anthracene	25.77	278	4265347	21.773	ng/ul#	95
91) Benzo(q,h,i)perylene	26.44	276	3841782	19.786	ng/ul#	92

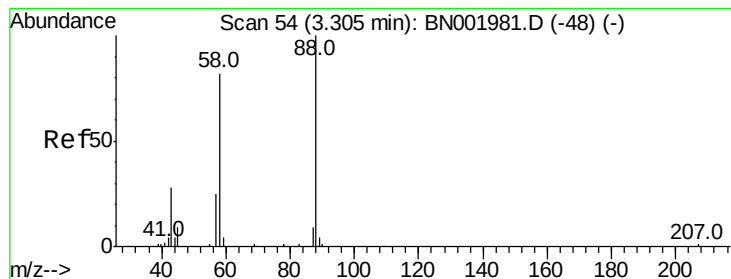
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
BNA_N
ClientSampled :

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#2

1,4-Dioxane

Concen: 6.811 ng/uL

RT: 3.30 min Scan# 53

Delta R.T. 0.01 min

Lab File: BN001995.D

Acq: 09 Jul 2018 13:02

Instrument :

BNA_N

ClientSampleId :

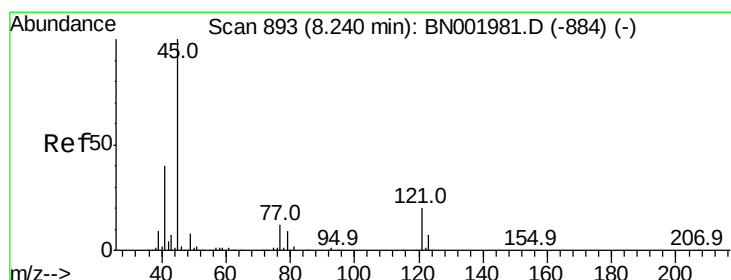
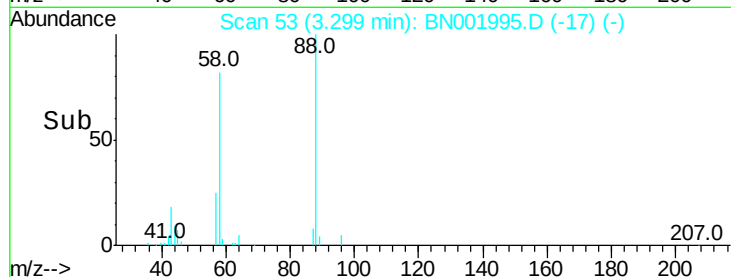
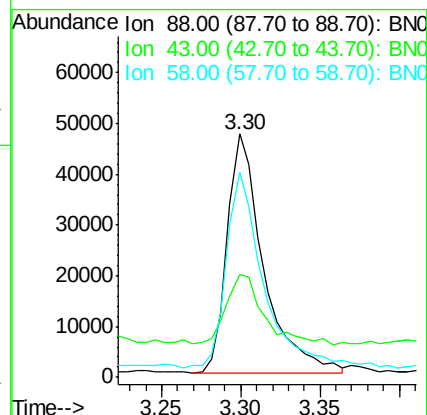
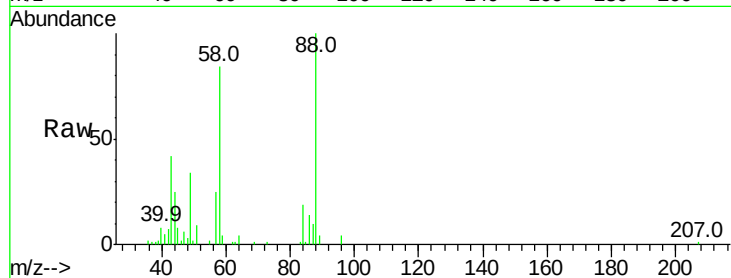
Tot Ion: 88 Resp: 75619

Ion Ratio Lower Upper

88 100

43 42.4 29.0 43.4

58 84.4 45.9 68.9#



#12

2,2'-oxybis(1-Chloropropane)

Concen: 15.245 ng/uL

RT: 8.23 min Scan# 892

Delta R.T. 0.00 min

Lab File: BN001995.D

Acq: 09 Jul 2018 13:02

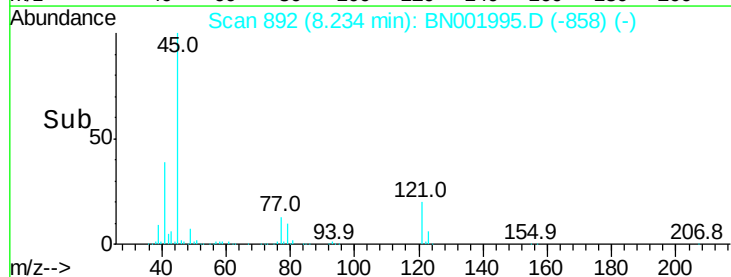
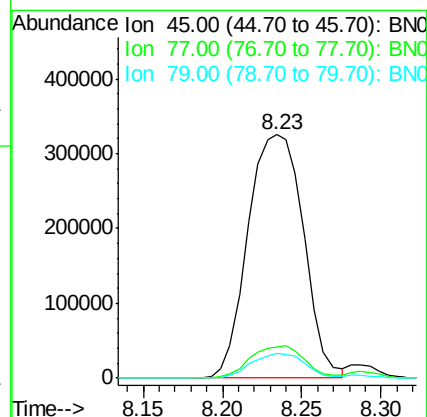
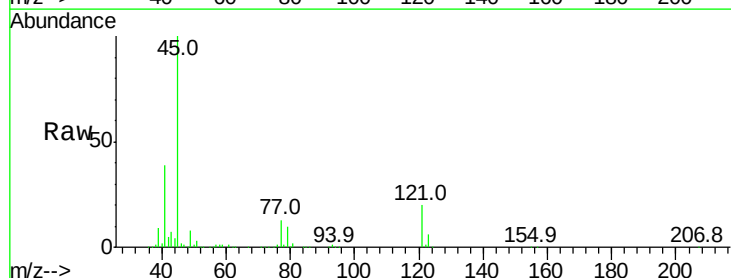
Tgt Ion: 45 Resp: 791897

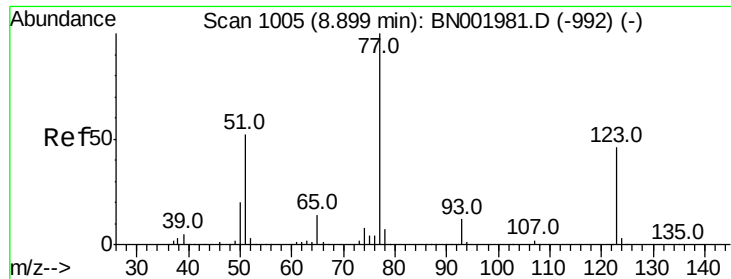
Ion Ratio Lower Upper

45 100

77 12.9 12.5 18.7

79 10.0 9.4 14.2

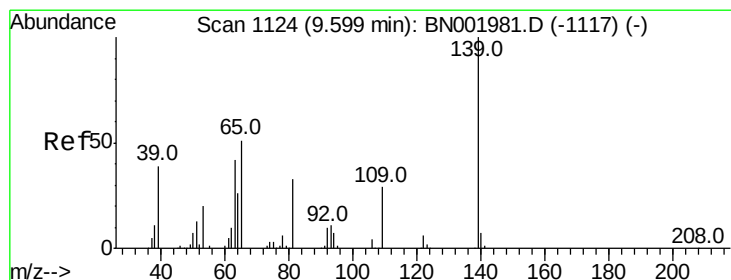
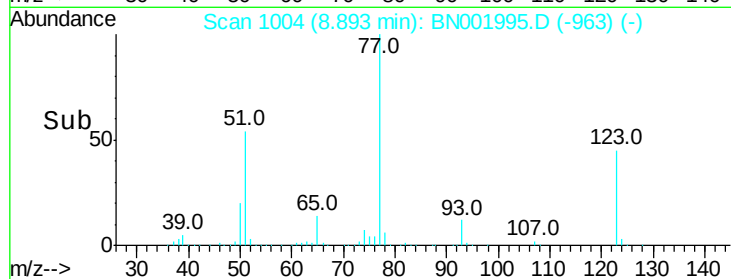
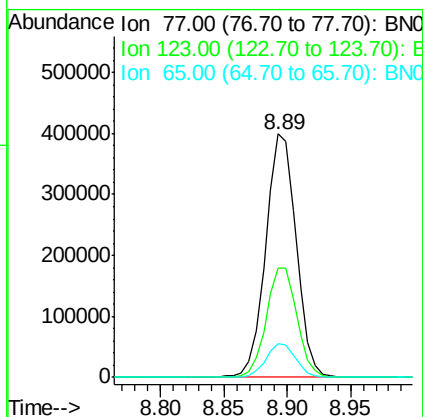
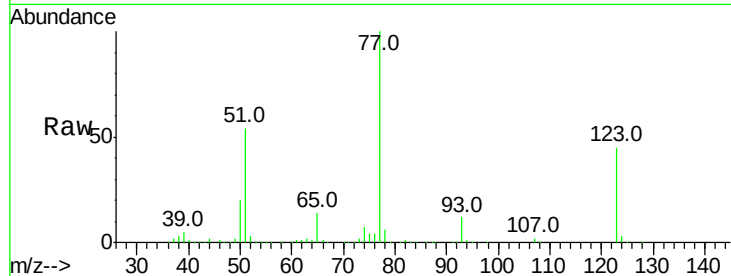




#20
Nitrobenzene
Concen: 16.514 ng/ul
RT: 8.89 min Scan# 1004
Delta R.T. 0.04 min
Lab File: BN001995.D
Acq: 09 Jul 2018 13:02

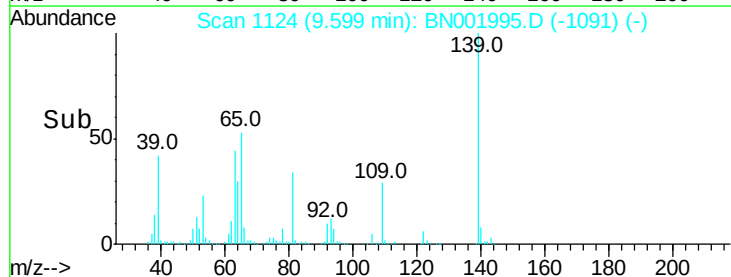
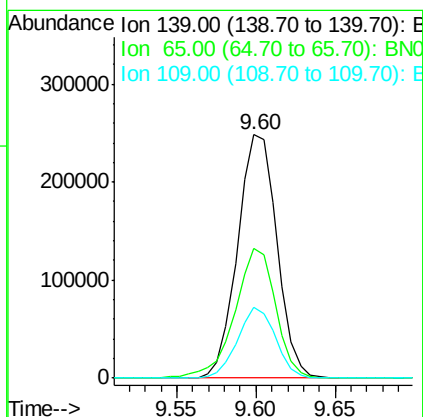
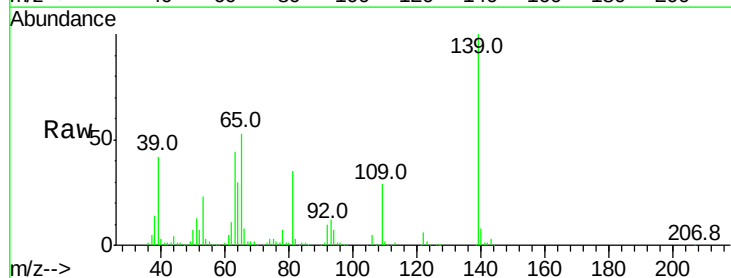
Instrument :
BNA_N
ClientSampleId :

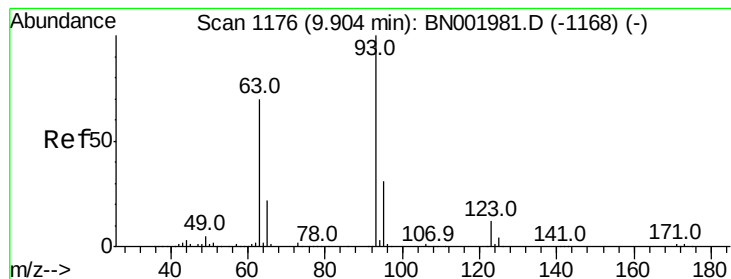
Tot Ion	Ratio	Lower	Upper
77	100		
123	44.9	31.8	47.8
65	13.8	10.6	16.0



#23
2-Nitrophenol
Concen: 23.071 ng/ul
RT: 9.60 min Scan# 1124
Delta R.T. -0.01 min
Lab File: BN001995.D
Acq: 09 Jul 2018 13:02

Tgt Ion	Ratio	Lower	Upper
139	100		
65	53.5	45.3	67.9
109	29.1	27.7	41.5





#25

Bis(2-Chloroethoxy)methane

Concen: 12.680 ng/ul

RT: 9.90 min Scan# 1175

Delta R.T. -0.01 min

Lab File: BN001995.D

Acq: 09 Jul 2018 13:02

Instrument :

BNA_N

ClientSampleId :

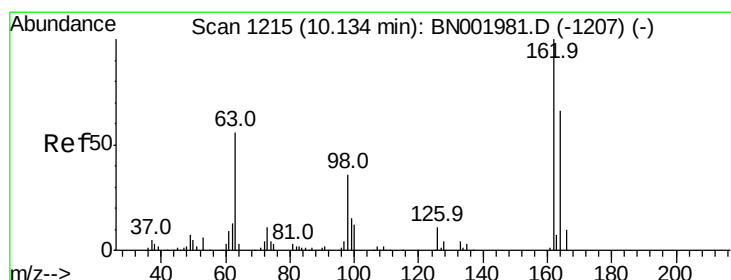
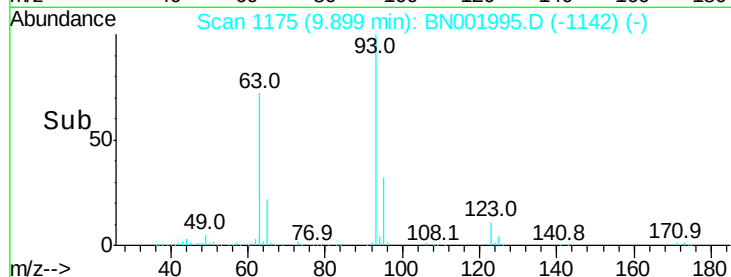
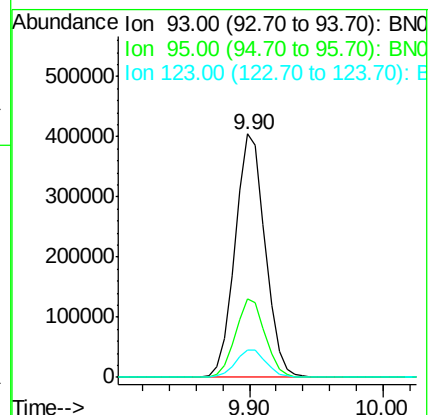
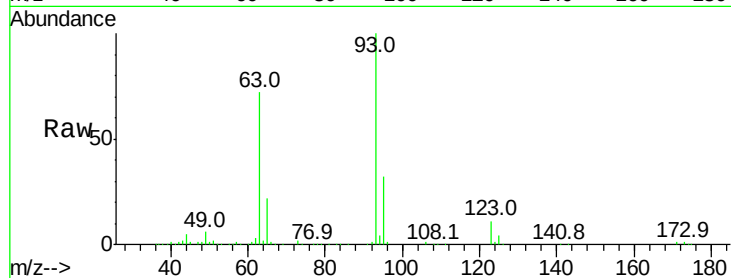
Tot Ion: 93 Resp: 634176

Ion Ratio Lower Upper

93 100

95 32.3 24.7 37.1

123 11.0 8.2 12.2



#27

2,4-Dichlorophenol

Concen: 14.632 ng/ul

RT: 10.13 min Scan# 1214

Delta R.T. -0.01 min

Lab File: BN001995.D

Acq: 09 Jul 2018 13:02

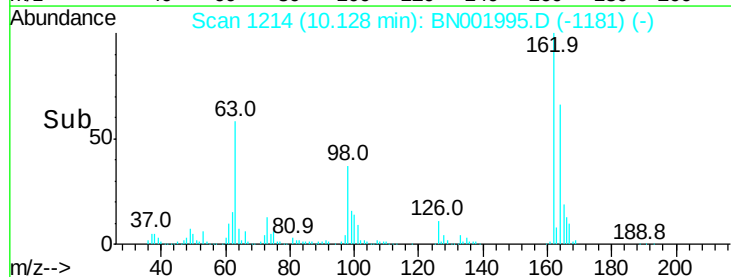
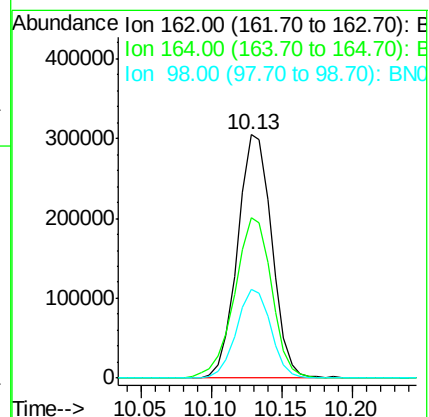
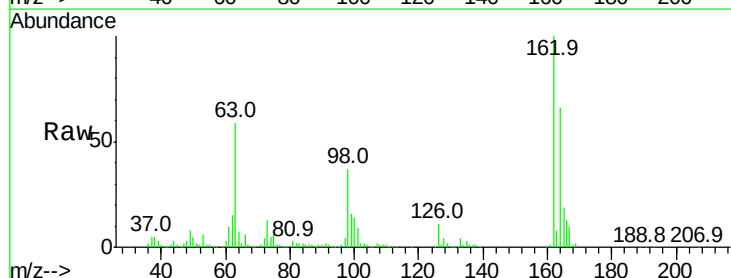
Tgt Ion: 162 Resp: 517286

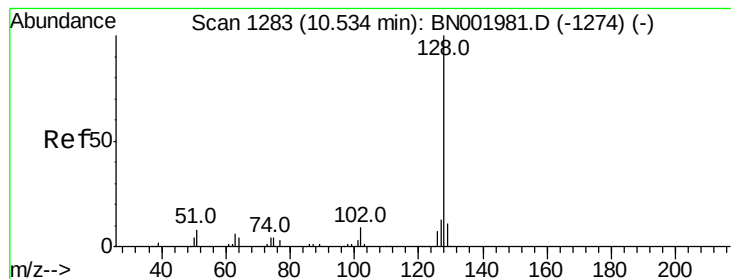
Ion Ratio Lower Upper

162 100

164 65.9 52.0 78.0

98 36.7 26.6 39.8





#28

Naphthalene

Concen: 9.213 ng/ul

RT: 10.53 min Scan# 1282

Delta R.T. -0.09 min

Lab File: BN001995.D

Acq: 09 Jul 2018 13:02

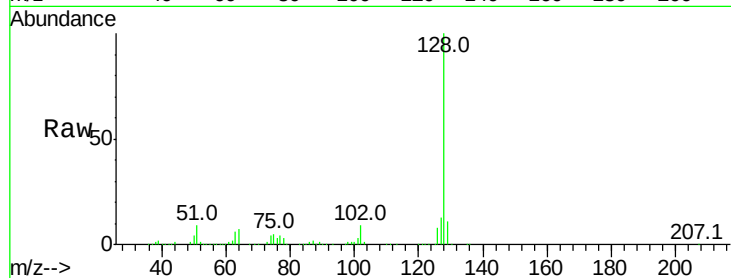
Instrument :

BNA_N

ClientSampleId :

Tot Ion:128 Resp: 1084256

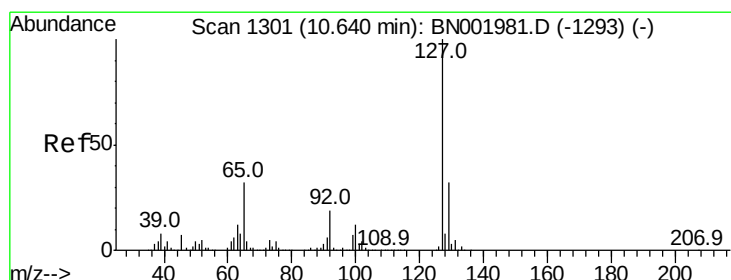
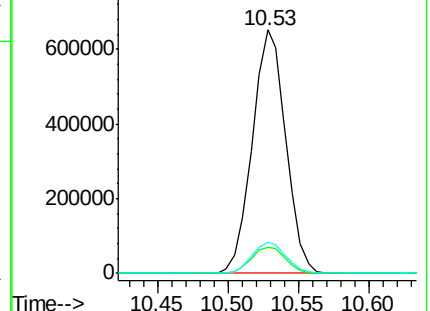
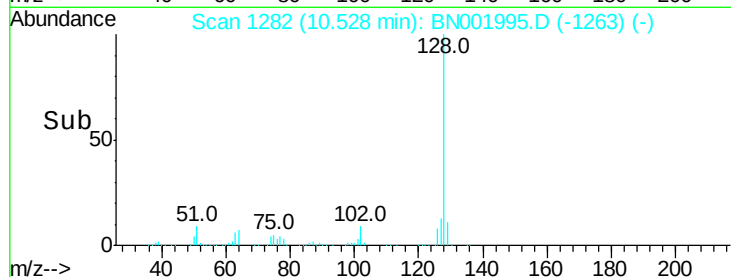
Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.3	12.5
127	13.0	10.8	16.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#30

4-Chloroaniline

Concen: 3.810 ng/ul

RT: 10.53 min Scan# 1282

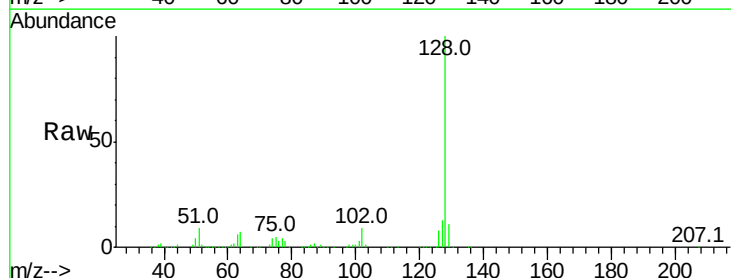
Delta R.T. -0.12 min

Lab File: BN001995.D

Acq: 09 Jul 2018 13:02

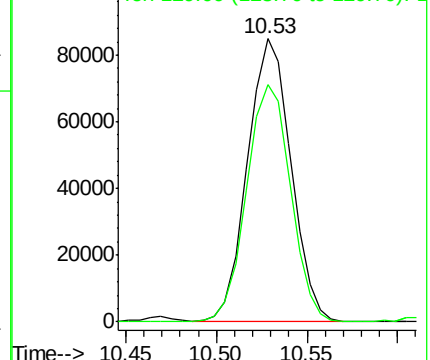
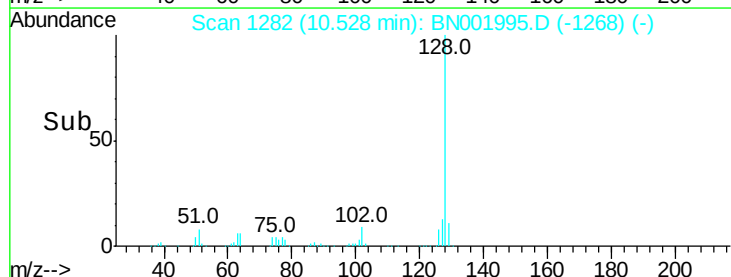
Tgt Ion:127 Resp: 141867

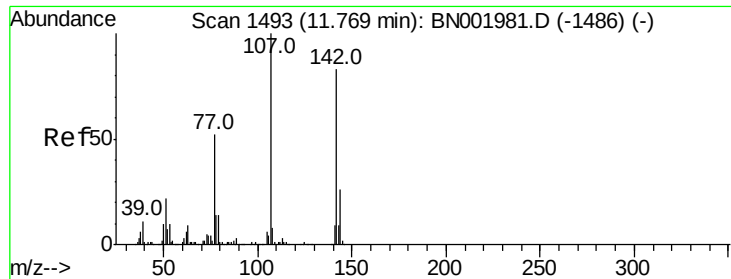
Ion	Ratio	Lower	Upper
127	100		
129	83.8	24.6	37.0#



Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

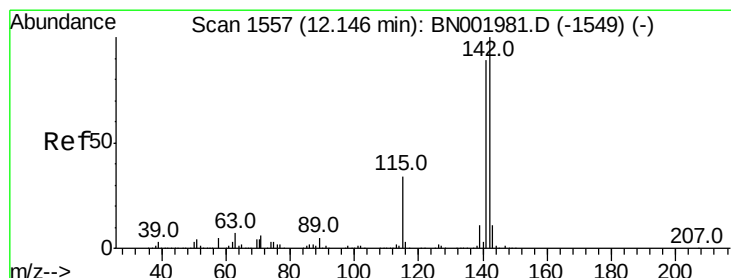
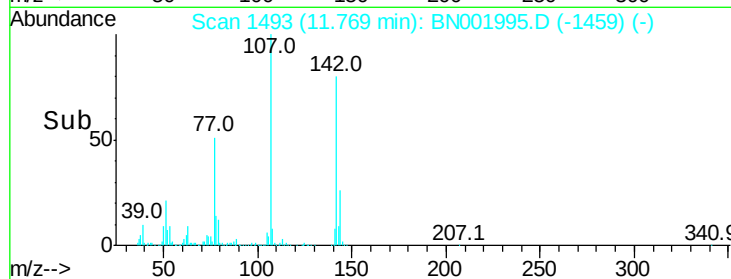
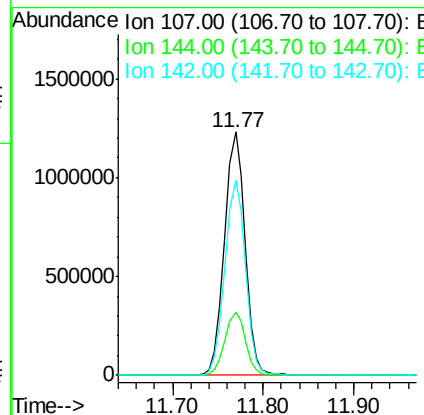
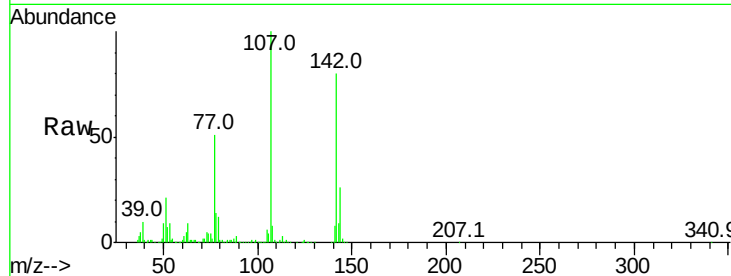




#33
 4-Chloro-3-methylphenol
 Concen: 49.853 ng/ul
 RT: 11.77 min Scan# 1493
 Delta R.T. 0.00 min
 Lab File: BN001995.D
 Acq: 09 Jul 2018 13:02

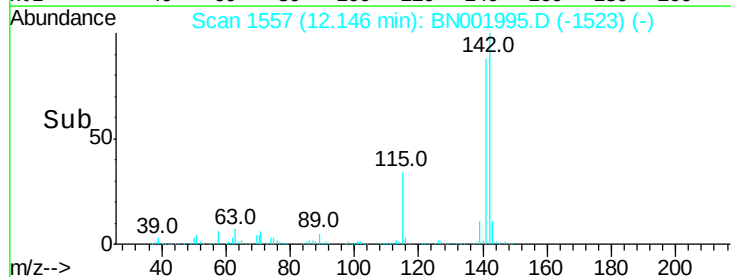
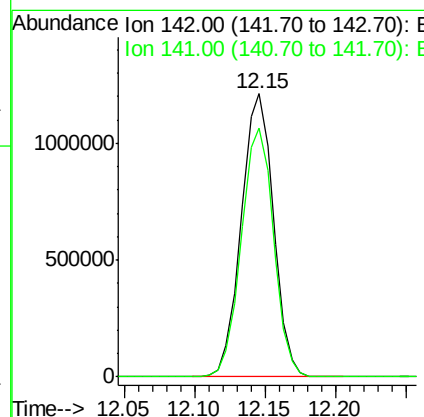
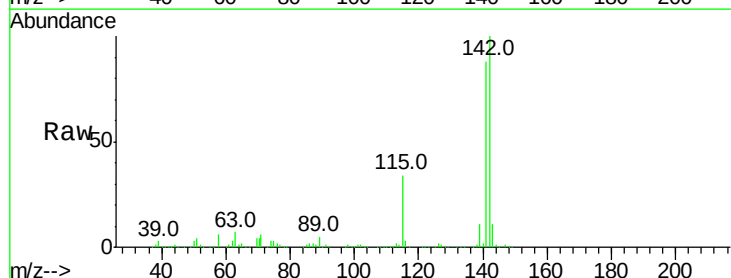
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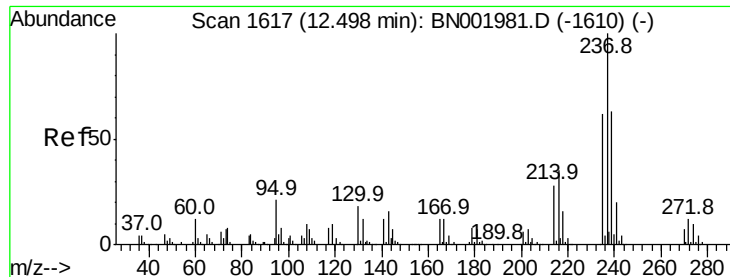
Tot Ion:107 Resp: 1942766
 Ion Ratio Lower Upper
 107 100
 144 25.8 21.1 31.7
 142 80.1 60.1 90.1



#34
 2-Methylnaphthalene
 Concen: 22.650 ng/ul
 RT: 12.15 min Scan# 1557
 Delta R.T. 0.00 min
 Lab File: BN001995.D
 Acq: 09 Jul 2018 13:02

Tgt Ion:142 Resp: 1933534
 Ion Ratio Lower Upper
 142 100
 141 88.0 71.4 107.2





#37

Hexachlorocyclopentadiene

Concen: 21.506 ng/ul

RT: 12.50 min Scan# 1617

Delta R.T. -0.01 min

Lab File: BN001995.D

Acq: 09 Jul 2018 13:02

Instrument :

BNA_N

ClientSampleId :

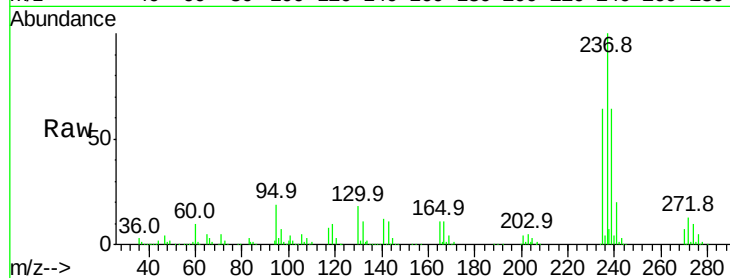
Tot Ion:237 Resp: 578573

Ion Ratio Lower Upper

237 100

235 64.4 49.5 74.3

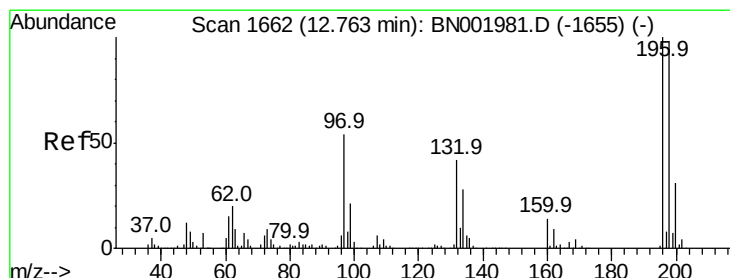
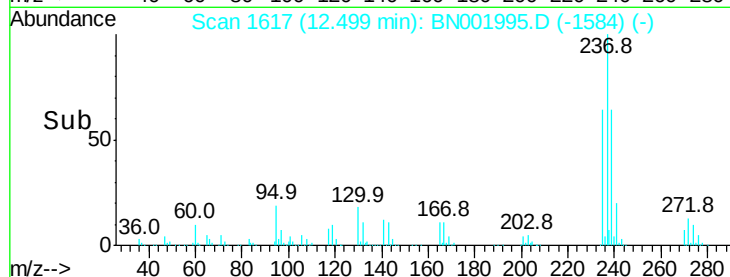
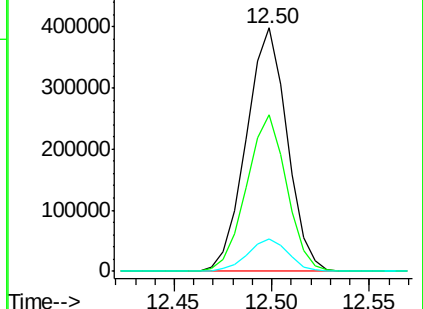
272 13.4 8.6 12.8#



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



#38

2,4,6-Trichlorophenol

Concen: 15.883 ng/ul

RT: 12.76 min Scan# 1661

Delta R.T. -0.01 min

Lab File: BN001995.D

Acq: 09 Jul 2018 13:02

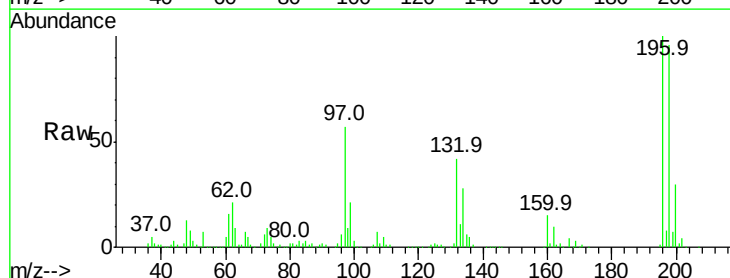
Tgt Ion:196 Resp: 457104

Ion Ratio Lower Upper

196 100

198 96.0 75.9 113.9

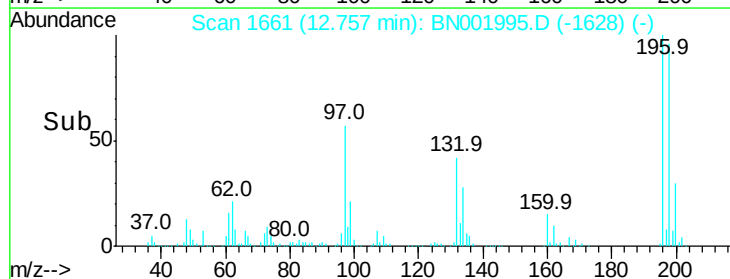
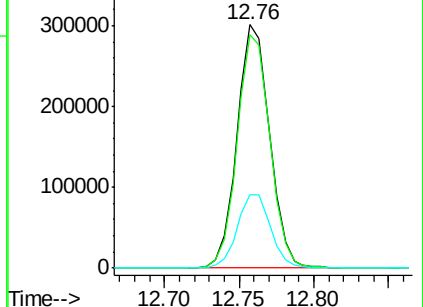
200 30.2 25.8 38.6

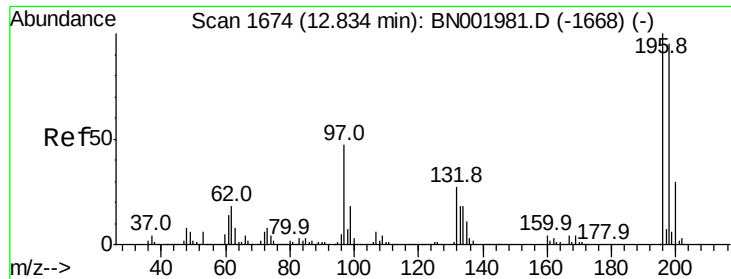


Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E

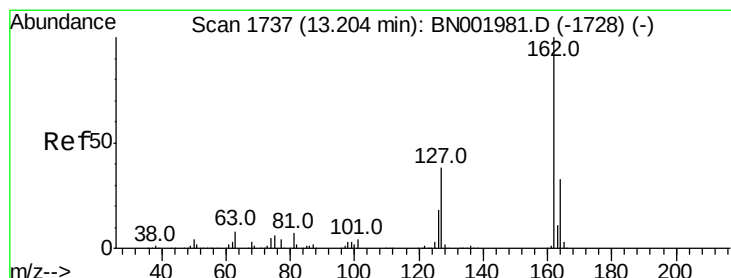
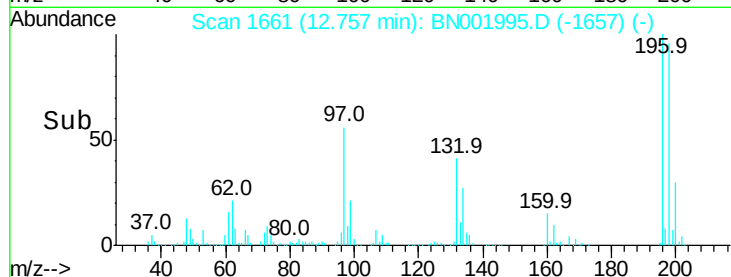
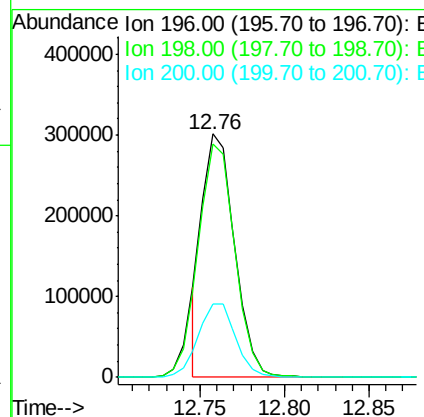
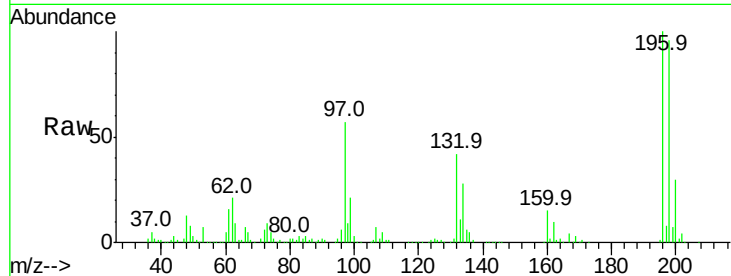




#39
 2,4,5-Trichlorophenol
 Concen: 12.942 ng/ul
 RT: 12.76 min Scan# 1661
 Delta R.T. -0.08 min
 Lab File: BN001995.D
 Acq: 09 Jul 2018 13:02

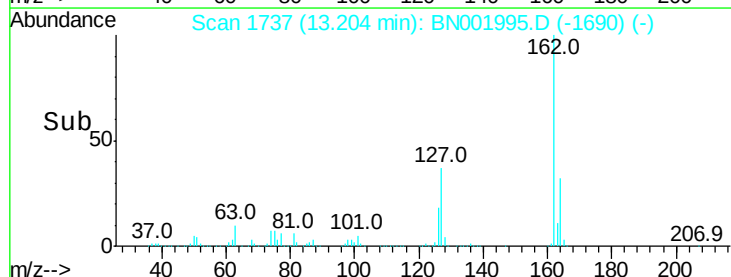
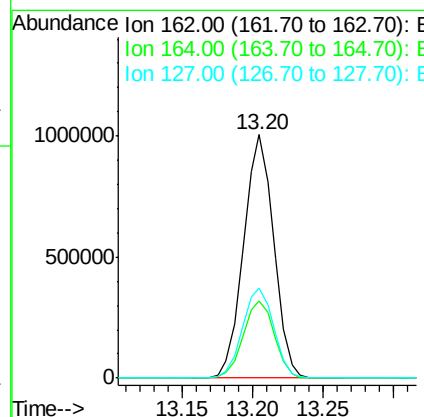
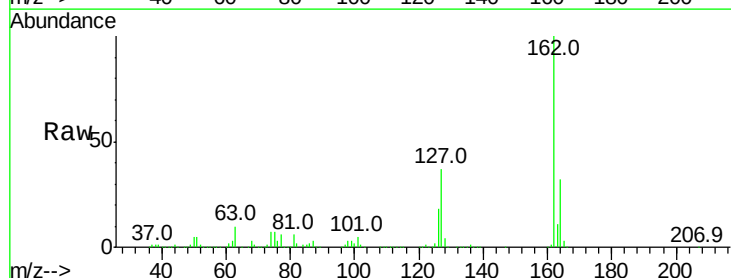
Instrument :
 BNA_N
 ClientSampleId :

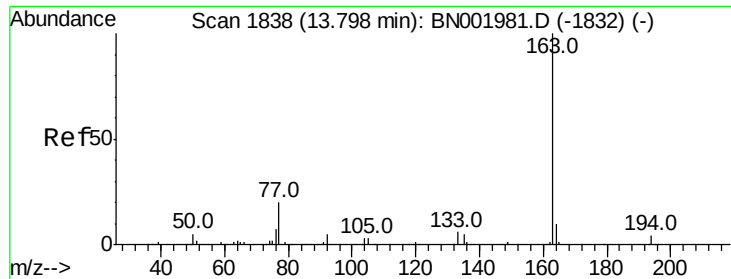
Tot Ion	Ratio	Lower	Upper
196	100		
198	96.0	74.7	112.1
200	30.2	25.4	38.0



#41
 2-Chloronaphthalene
 Concen: 17.082 ng/ul
 RT: 13.20 min Scan# 1737
 Delta R.T. 0.08 min
 Lab File: BN001995.D
 Acq: 09 Jul 2018 13:02

Tgt Ion	Ratio	Lower	Upper
162	100		
164	31.8	26.2	39.4
127	37.0	29.5	44.3





#44

Dimethylphthalate

Concen: 4.417 ng/ul

RT: 13.80 min Scan# 1838

Delta R.T. 0.01 min

Lab File: BN001995.D

Acq: 09 Jul 2018 13:02

Instrument :

BNA_N

ClientSampled :

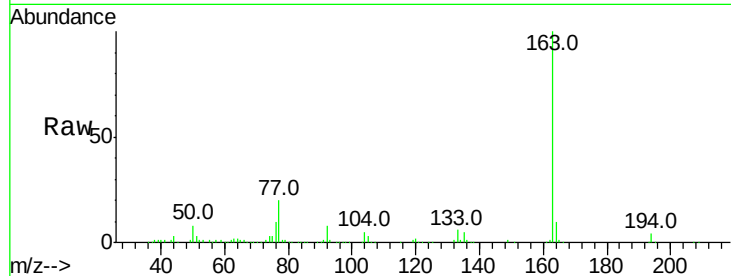
Tot Ion:163 Resp: 497989

Ion Ratio Lower Upper

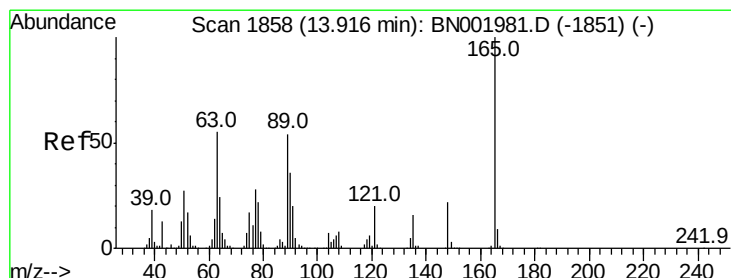
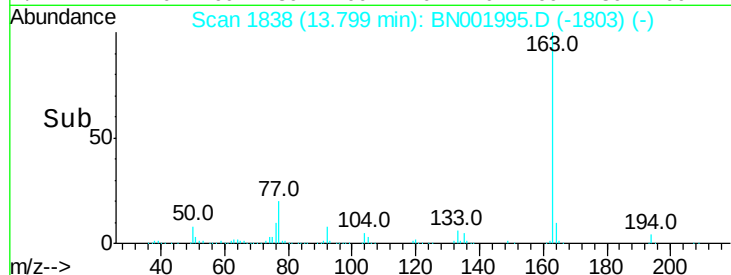
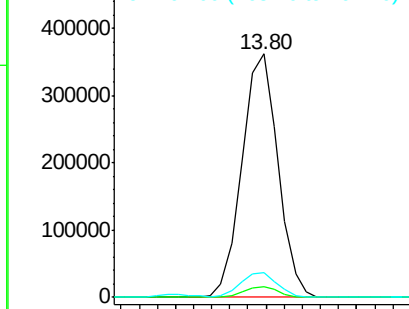
163 100

194 4.2 4.0 6.0

164 10.1 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: 13.075 ng/ul

RT: 13.92 min Scan# 1858

Delta R.T. 0.16 min

Lab File: BN001995.D

Acq: 09 Jul 2018 13:02

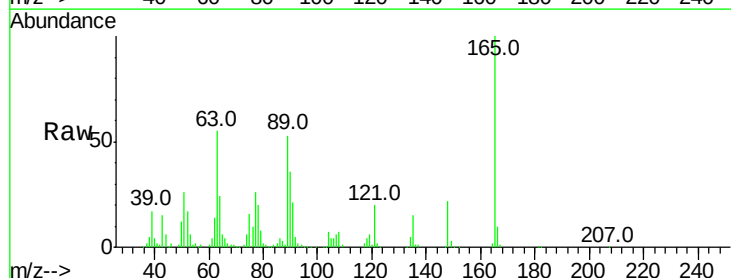
Tgt Ion:165 Resp: 278363

Ion Ratio Lower Upper

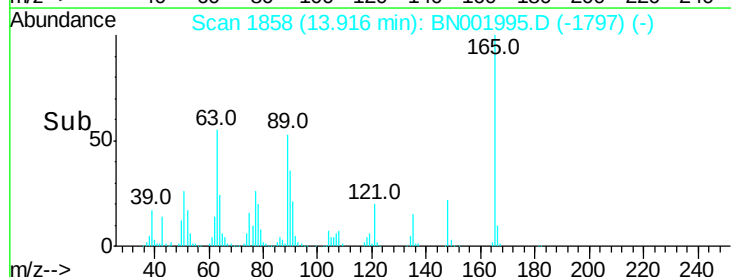
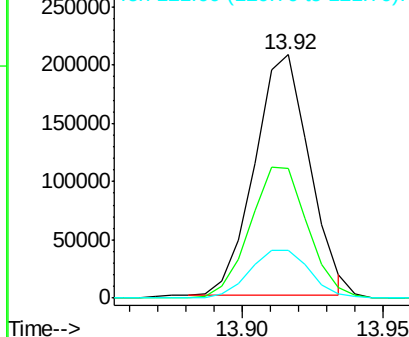
165 100

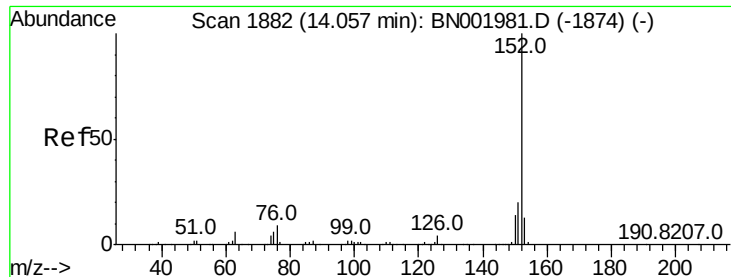
89 53.1 43.8 65.8

121 19.9 17.8 26.6



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





#47

Acenaphthylene

Concen: 14.090 ng/ul

RT: 14.06 min Scan# 1882

Delta R.T. 0.00 min

Lab File: BN001995.D

Acq: 09 Jul 2018 13:02

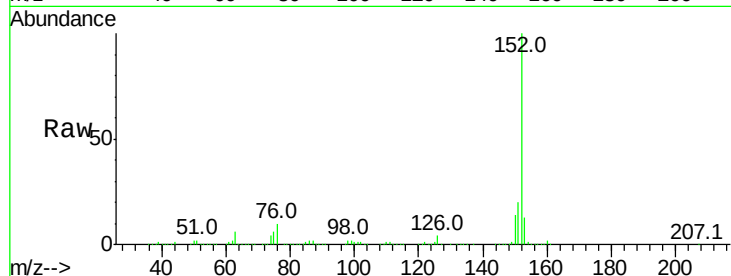
Instrument :

BNA_N

ClientSampleId :

Tot Ion:152 Resp: 1926121

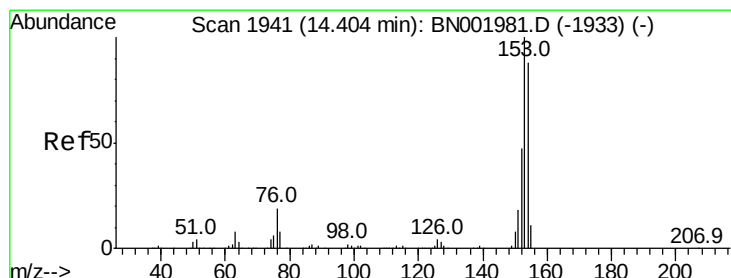
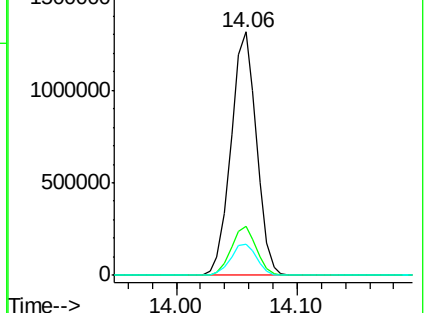
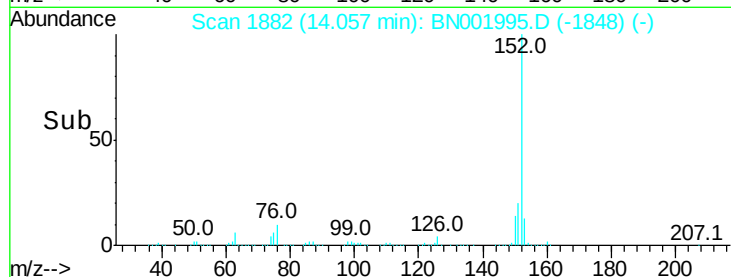
Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.1	24.1
153	13.0	10.8	16.2



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: 11.956 ng/ul

RT: 14.40 min Scan# 1940

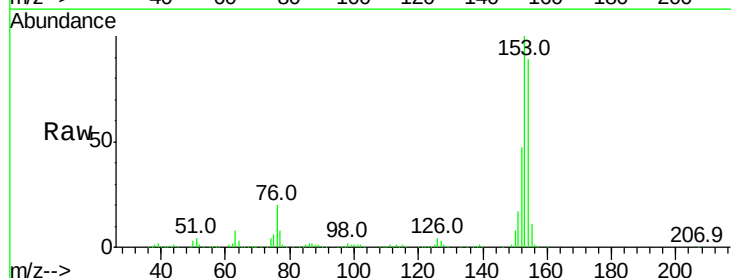
Delta R.T. 0.00 min

Lab File: BN001995.D

Acq: 09 Jul 2018 13:02

Tgt Ion:153 Resp: 1133843

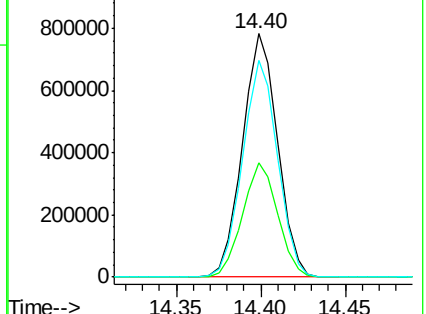
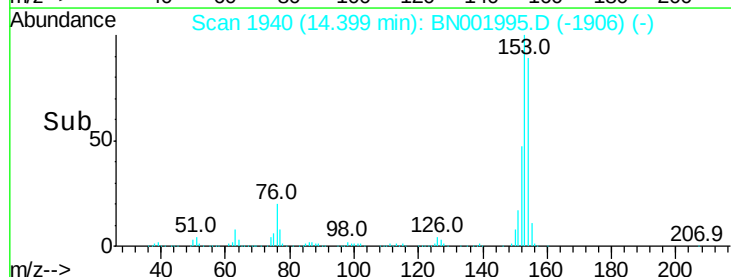
Ion	Ratio	Lower	Upper
153	100		
152	46.9	37.9	56.9
154	89.0	69.8	104.6

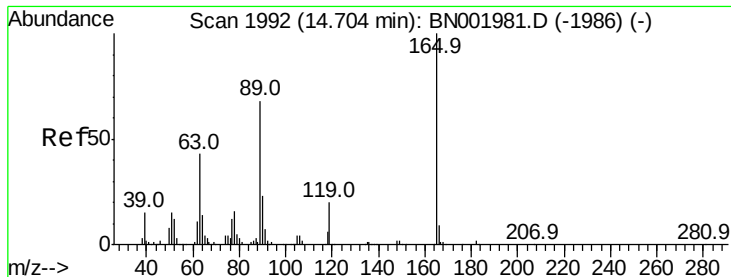


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

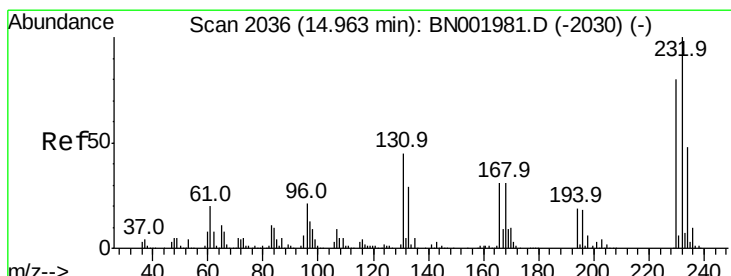
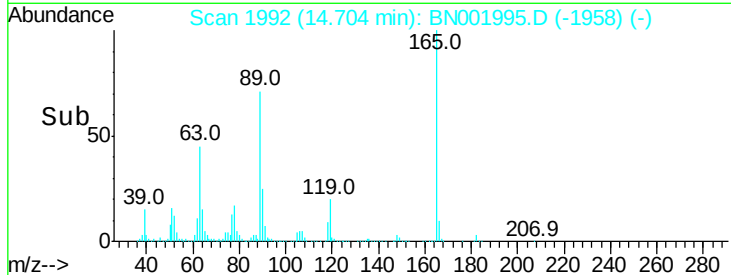
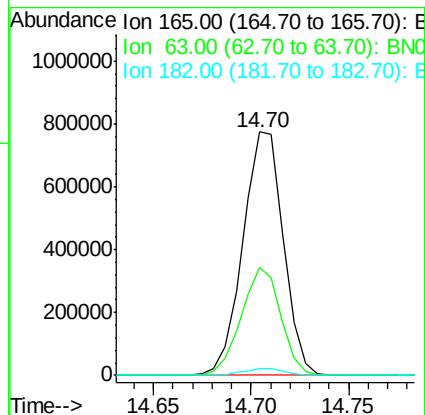
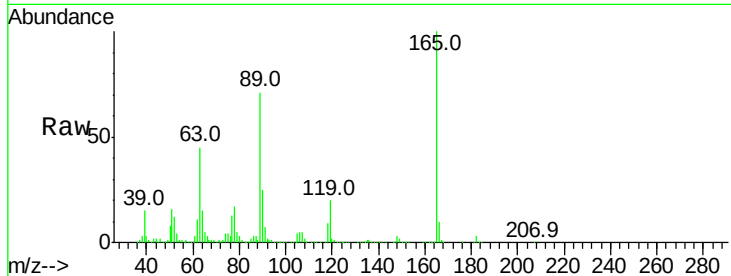




#54
 2,4-Dinitrotoluene
 Concen: 35.179 ng/ul
 RT: 14.70 min Scan# 1992
 Delta R.T. 0.00 min
 Lab File: BN001995.D
 Acq: 09 Jul 2018 13:02

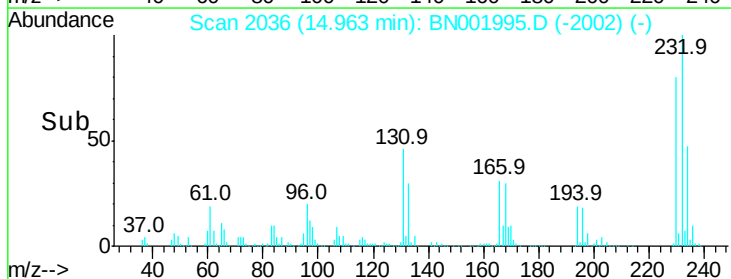
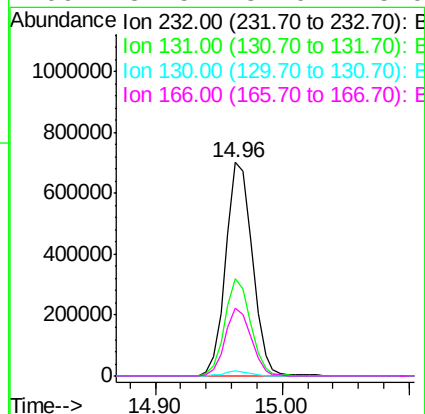
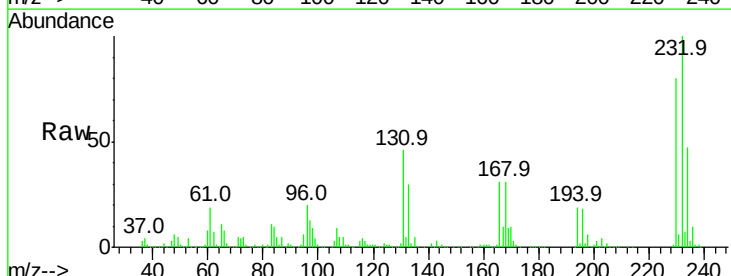
Instrument :
 BNA_N
 ClientSampled :

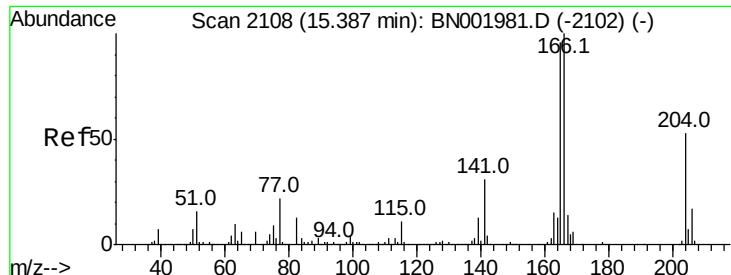
Tot Ion:165 Resp: 1113579
 Ion Ratio Lower Upper
 165 100
 63 44.5 31.4 47.0
 182 3.0 2.7 4.1



#55
 2,3,4,6-Tetrachlorophenol
 Concen: 37.850 ng/ul
 RT: 14.96 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: BN001995.D
 Acq: 09 Jul 2018 13:02

Tgt Ion:232 Resp: 1023698
 Ion Ratio Lower Upper
 232 100
 131 45.7 48.0 72.0#
 130 2.1 4.0 6.0#
 166 31.5 32.0 48.0#





#58

Fluorene

Concen: 12.471 ng/ul

RT: 15.39 min Scan# 2108

Delta R.T. 0.00 min

Lab File: BN001995.D

Acq: 09 Jul 2018 13:02

Instrument :

BNA_N

ClientSampleId :

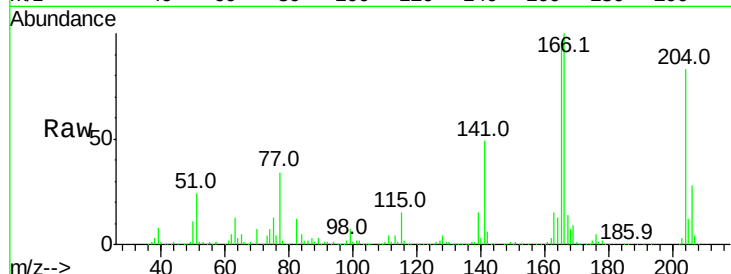
Tot Ion:166 Resp: 1353596

Ion Ratio Lower Upper

166 100

165 96.5 78.4 117.6

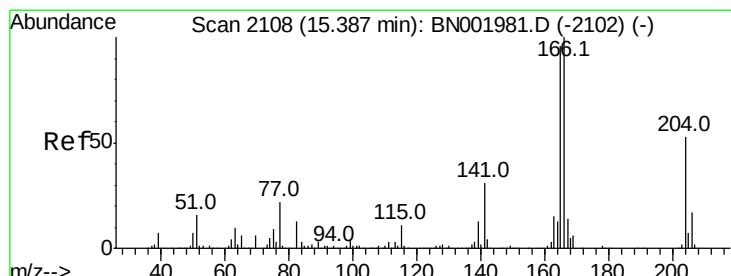
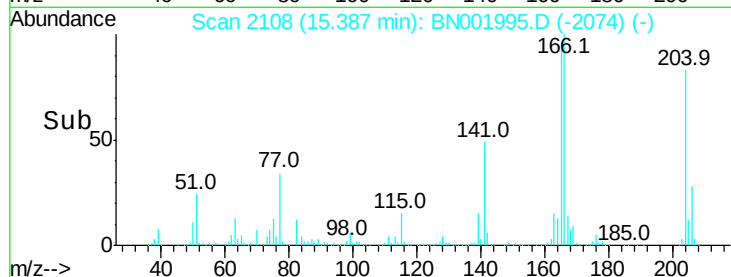
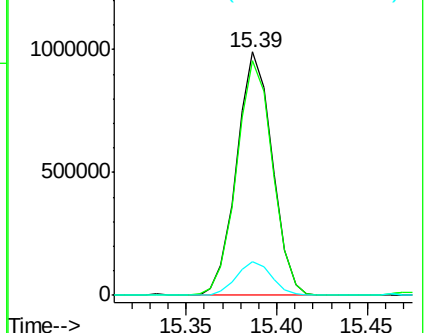
167 13.8 11.1 16.7



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#59

4-Chlorophenyl-phenylether

Concen: 19.974 ng/ul

RT: 15.39 min Scan# 2108

Delta R.T. 0.00 min

Lab File: BN001995.D

Acq: 09 Jul 2018 13:02

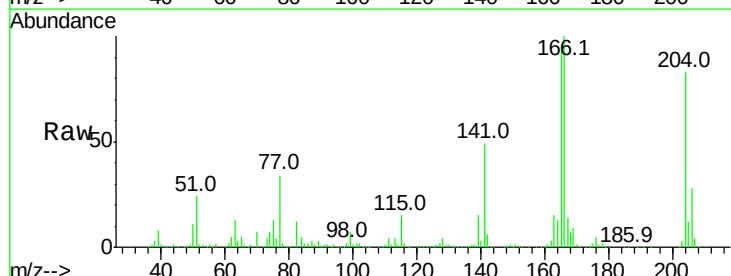
Tgt Ion:204 Resp: 1086136

Ion Ratio Lower Upper

204 100

206 33.4 26.6 40.0

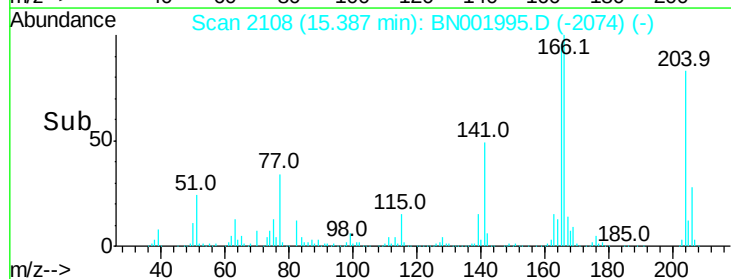
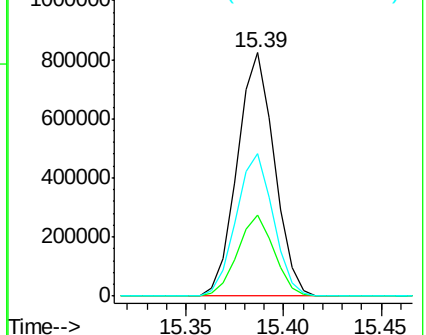
141 58.5 40.7 61.1

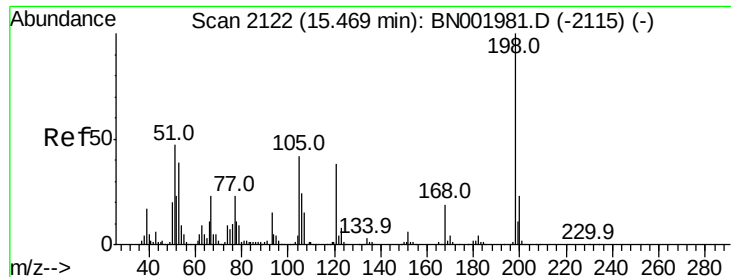


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E

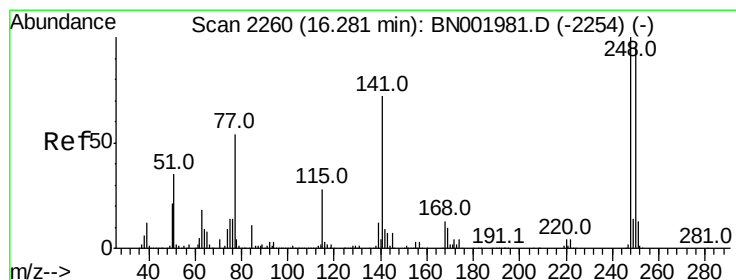
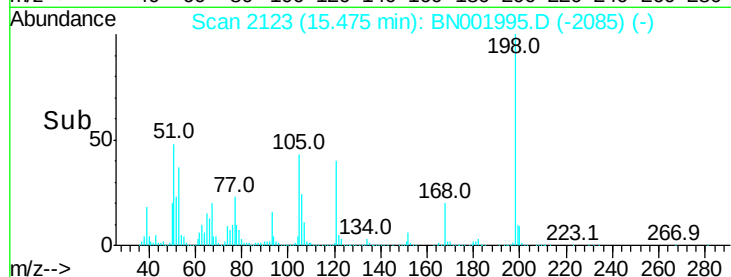
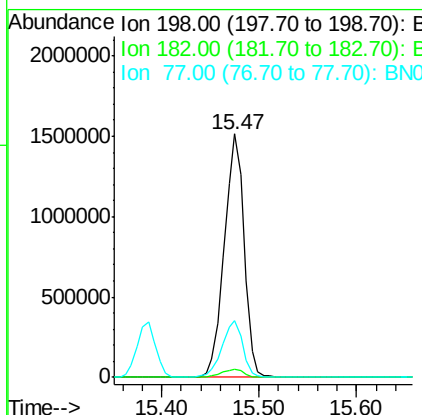
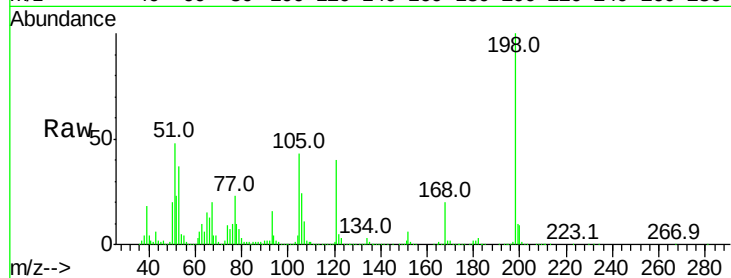




#63
4,6-Dinitro-2-methylphenol
Concen: 117.291 ng/ul
RT: 15.47 min Scan# 2123
Delta R.T. 0.02 min
Lab File: BN001995.D
Acq: 09 Jul 2018 13:02

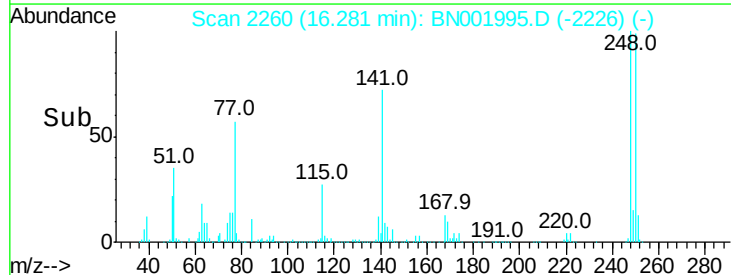
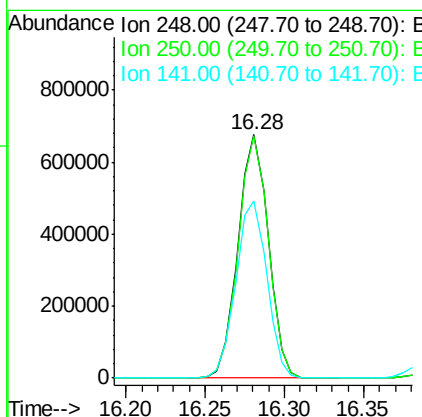
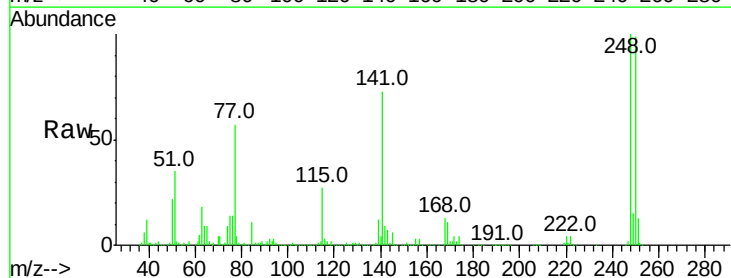
Instrument :
BNA_N
ClientSampleId :

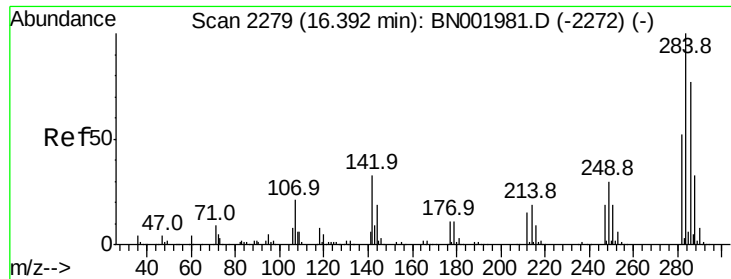
Tot Ion:198 Resp: 2131548
Ion Ratio Lower Upper
198 100
182 3.2 3.5 5.3#
77 23.4 18.2 27.4



#65
4-Bromophenyl-phenylether
Concen: 26.412 ng/ul
RT: 16.28 min Scan# 2260
Delta R.T. 0.00 min
Lab File: BN001995.D
Acq: 09 Jul 2018 13:02

Tgt Ion:248 Resp: 901841
Ion Ratio Lower Upper
248 100
250 99.4 79.0 118.4
141 72.6 51.9 77.9

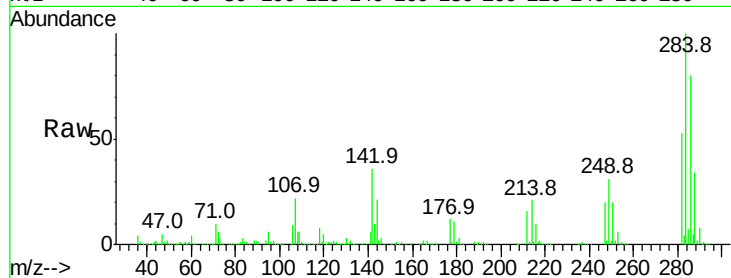




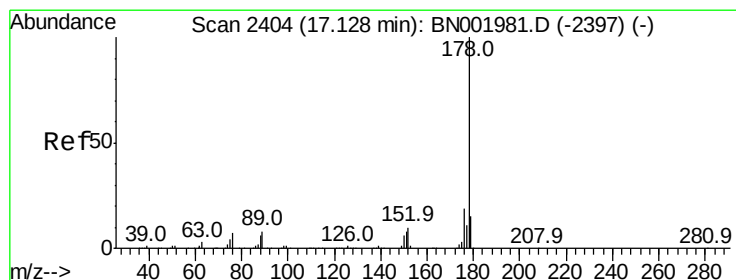
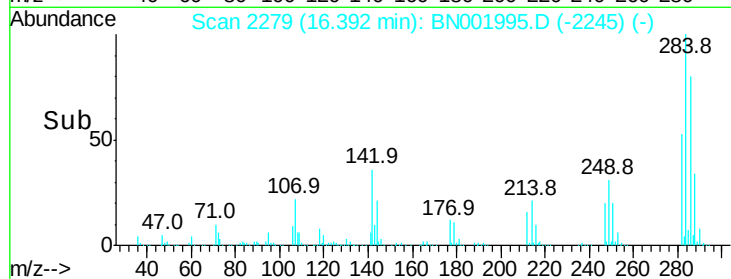
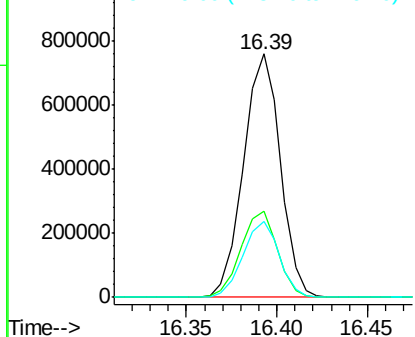
#66
Hexachlorobenzene
Concen: 27.972 ng/ul
RT: 16.39 min Scan# 2279
Delta R.T. 0.00 min
Lab File: BN001995.D
Acq: 09 Jul 2018 13:02

Instrument :
BNA_N
ClientSampled :

Tot Ion:284 Resp: 1075711
Ion Ratio Lower Upper
284 100
142 35.6 21.3 31.9#
249 31.3 26.3 39.5

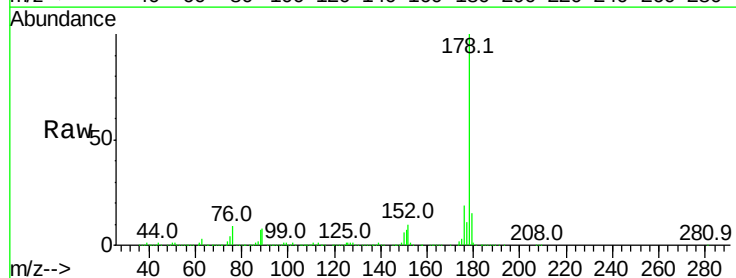


Abundance Ion 284.00 (283.70 to 284.70): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

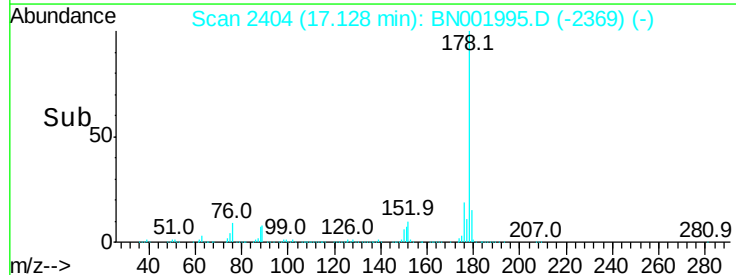
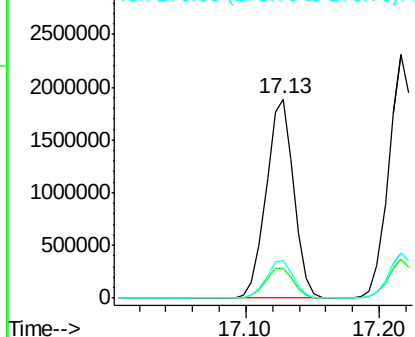


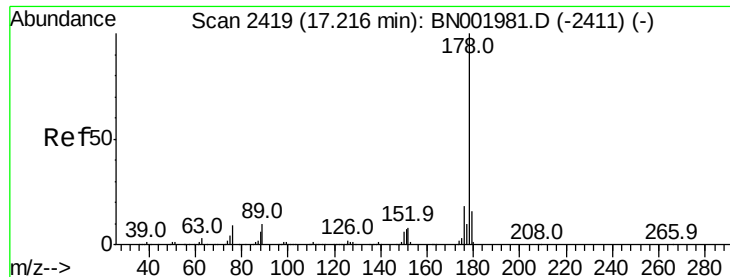
#69
Phenanthrene
Concen: 15.244 ng/ul
RT: 17.13 min Scan# 2404
Delta R.T. 0.01 min
Lab File: BN001995.D
Acq: 09 Jul 2018 13:02

Tgt Ion:178 Resp: 2699330
Ion Ratio Lower Upper
178 100
179 15.0 12.3 18.5
176 19.0 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



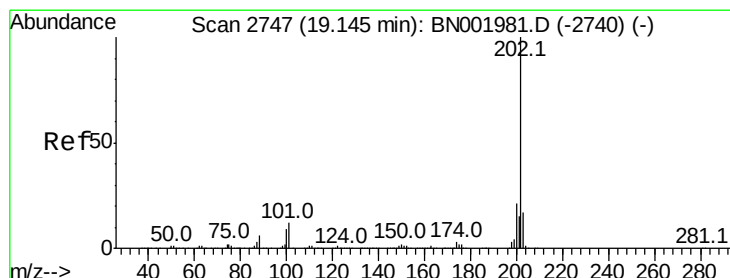
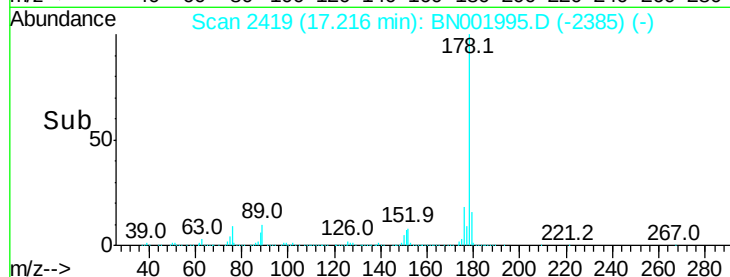
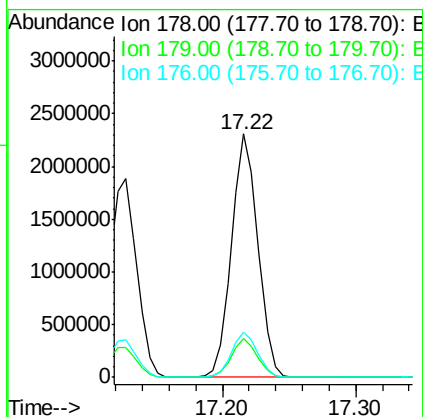
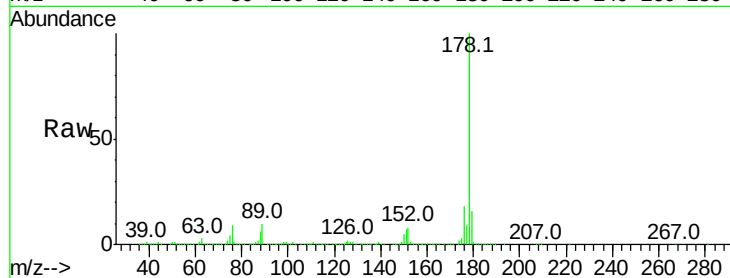


#71
 Anthracene
 Concen: 17.736 ng/ul
 RT: 17.22 min Scan# 2419
 Delta R.T. 0.00 min
 Lab File: BN001995.D
 Acq: 09 Jul 2018 13:02

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:178 Resp: 3178969

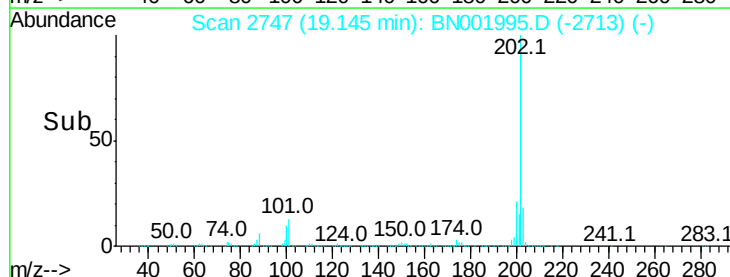
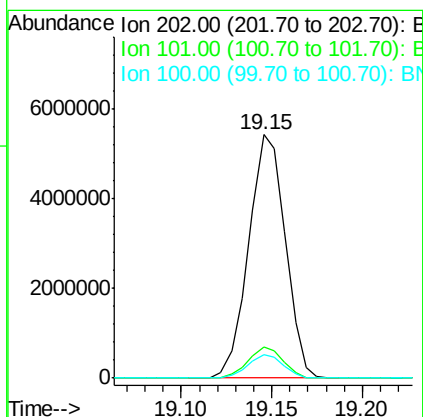
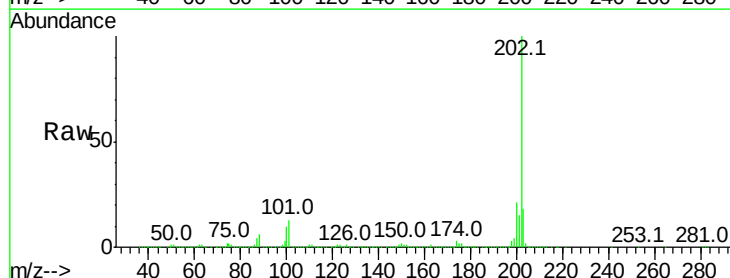
Ion	Ratio	Lower	Upper
178	100		
179	15.8	13.4	20.2
176	18.5	15.4	23.0

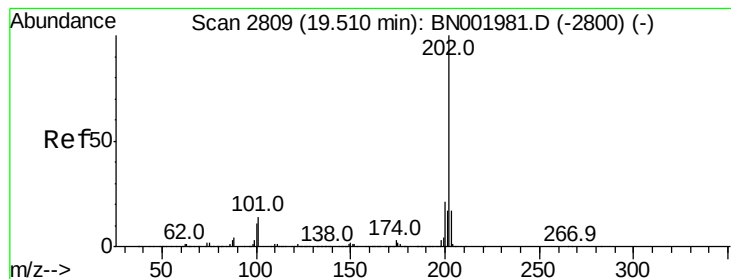


#74
 Fluoranthene
 Concen: 41.118 ng/ul
 RT: 19.15 min Scan# 2747
 Delta R.T. 0.00 min
 Lab File: BN001995.D
 Acq: 09 Jul 2018 13:02

Tgt Ion:202 Resp: 7653292

Ion	Ratio	Lower	Upper
202	100		
101	12.7	6.1	9.1#
100	9.5	4.6	7.0#





#77

Pvrene

Concen: 15.362 ng/ul

RT: 19.51 min Scan# 2809

Delta R.T. 0.02 min

Lab File: BN001995.D

Acq: 09 Jul 2018 13:02

Instrument :

BNA_N

ClientSampleId :

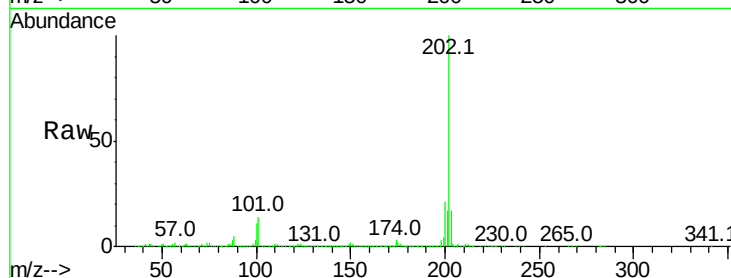
Tot Ion:202 Resp: 3314912

Ion Ratio Lower Upper

202 100

101 13.9 6.9 10.3#

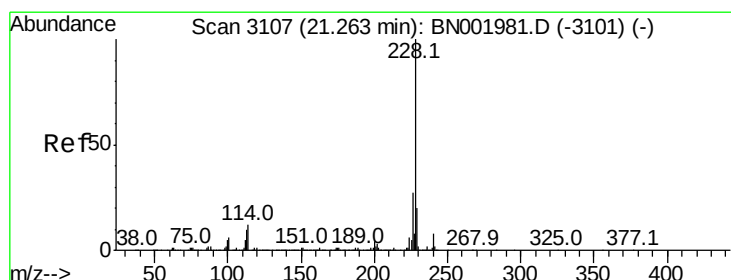
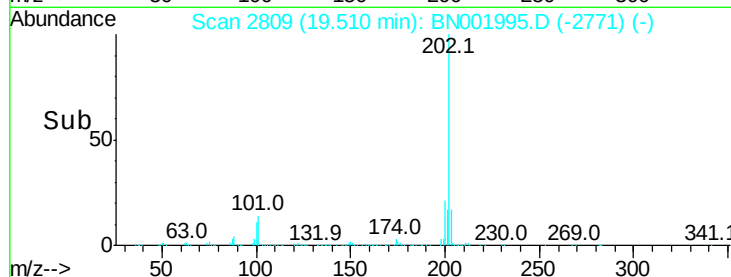
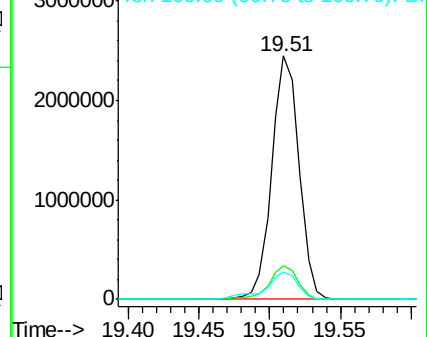
100 11.2 5.6 8.4#



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): E



#80

Benzo(a)anthracene

Concen: 15.305 ng/ul

RT: 21.27 min Scan# 3108

Delta R.T. -0.01 min

Lab File: BN001995.D

Acq: 09 Jul 2018 13:02

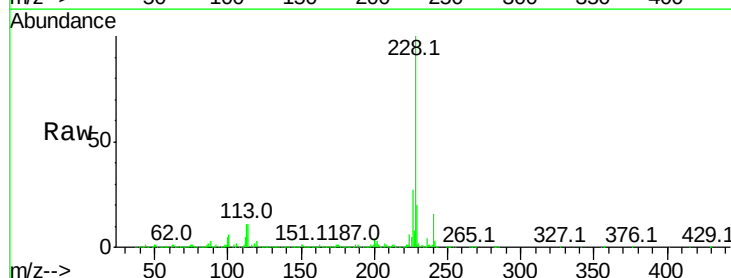
Tgt Ion:228 Resp: 3335412

Ion Ratio Lower Upper

228 100

229 20.1 16.0 24.0

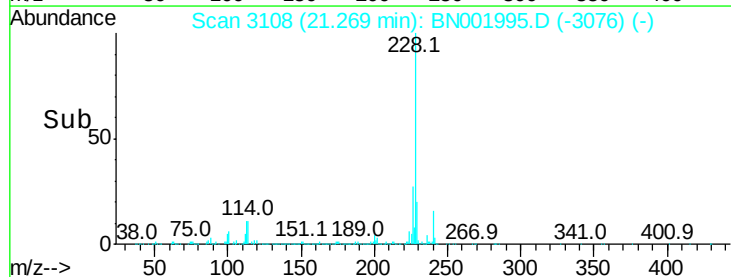
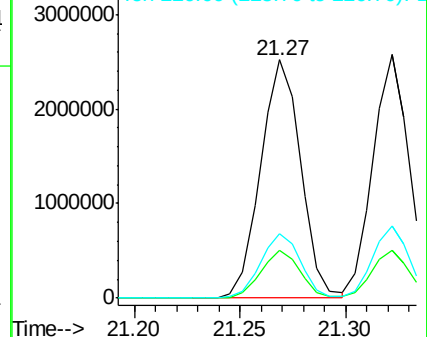
226 27.0 21.8 32.8

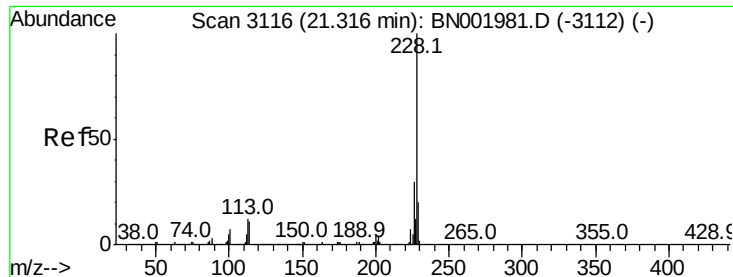


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#82

Chrysene

Concen: 15.252 ng/ul

RT: 21.32 min Scan# 3117

Delta R.T. 0.01 min

Lab File: BN001995.D

Acq: 09 Jul 2018 13:02

Instrument :

BNA_N

ClientSampleId :

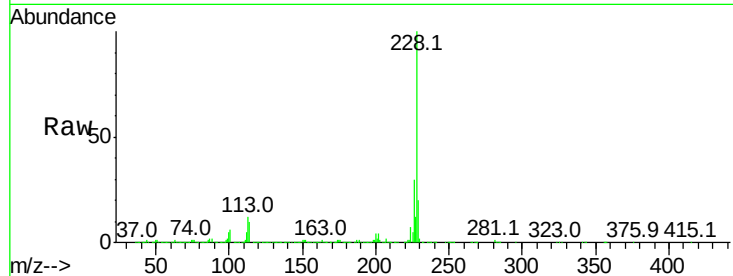
Tot Ion:228 Resp: 3092614

Ion Ratio Lower Upper

228 100

226 29.8 24.1 36.1

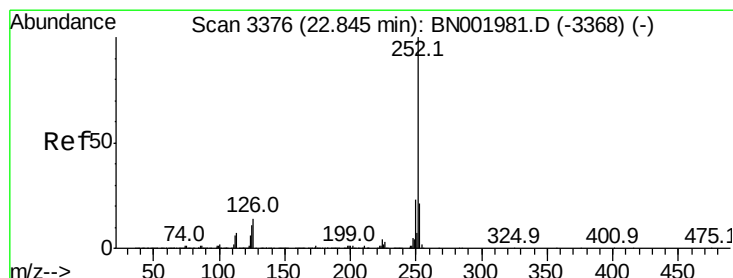
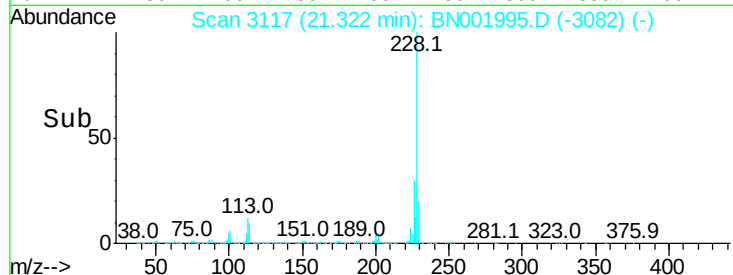
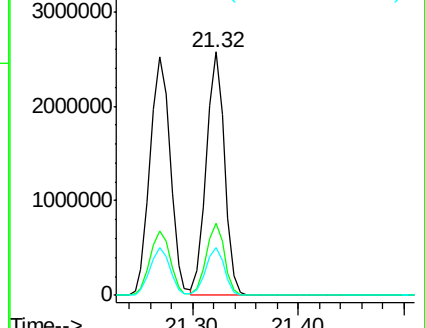
229 19.9 16.0 24.0



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



#85

Benzo(b)fluoranthene

Concen: 42.903 ng/ul

RT: 22.86 min Scan# 3378

Delta R.T. 0.01 min

Lab File: BN001995.D

Acq: 09 Jul 2018 13:02

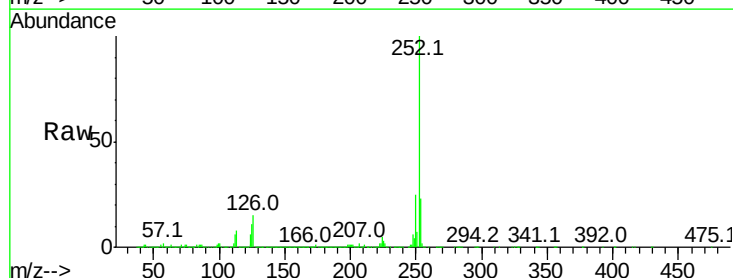
Tgt Ion:252 Resp:10155978

Ion Ratio Lower Upper

252 100

253 23.0 17.4 26.0

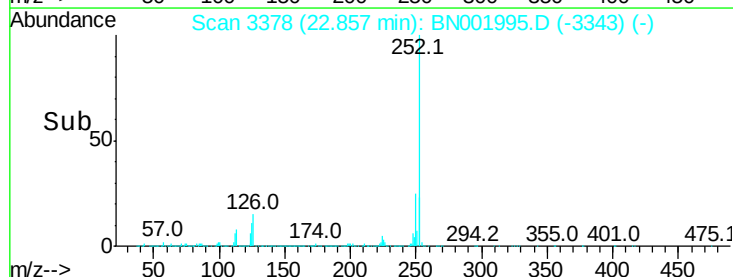
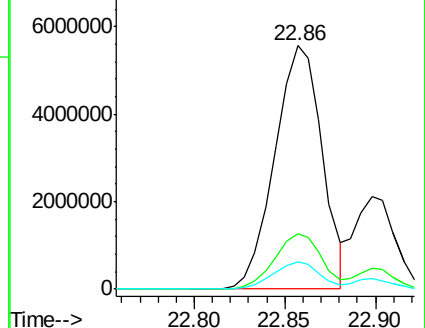
125 11.3 4.9 7.3#

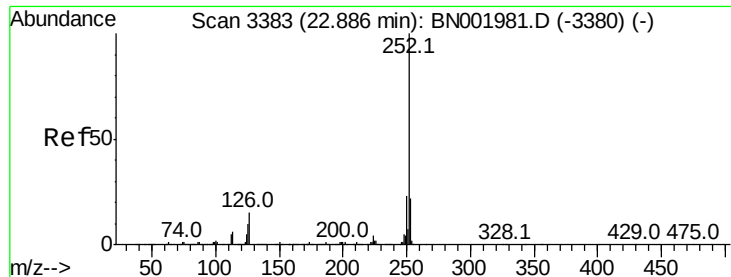


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#86

Benzo(k)fluoranthene

Concen: 14.227 ng/ul

RT: 22.90 min Scan# 3385

Delta R.T. 0.01 min

Lab File: BN001995.D

Acq: 09 Jul 2018 13:02

Instrument :

BNA_N

ClientSampleId :

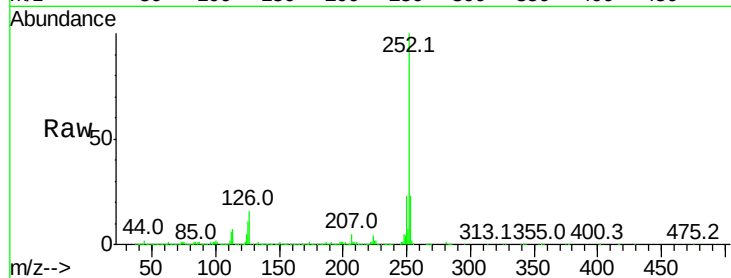
Tot Ion:252 Resp: 3265738

Ion Ratio Lower Upper

252 100

253 22.6 17.1 25.7

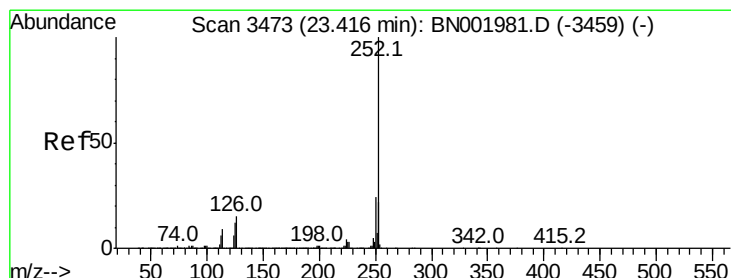
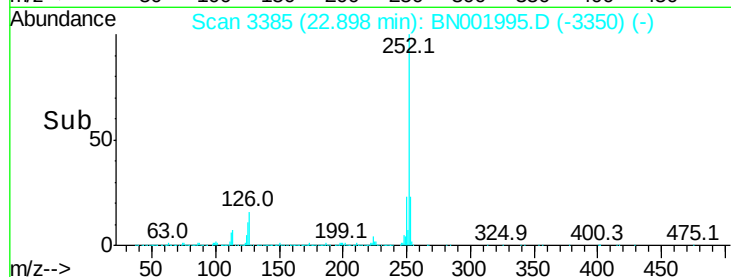
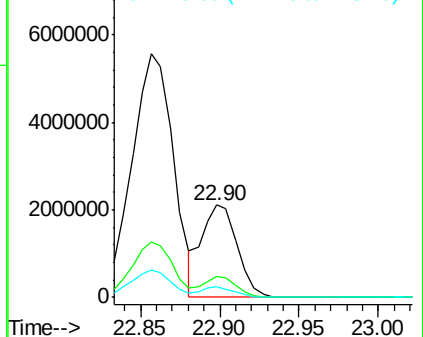
125 11.2 5.4 8.0#



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



#88

Benzo(a)pyrene

Concen: 11.863 ng/ul

RT: 23.43 min Scan# 3475

Delta R.T. 0.01 min

Lab File: BN001995.D

Acq: 09 Jul 2018 13:02

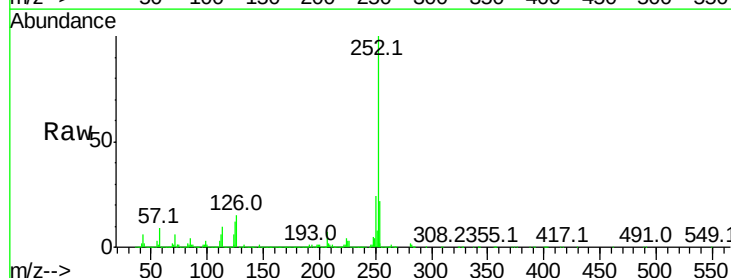
Tgt Ion:252 Resp: 2624109

Ion Ratio Lower Upper

252 100

253 22.4 17.2 25.8

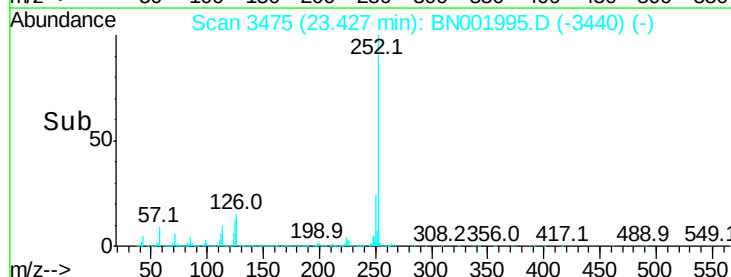
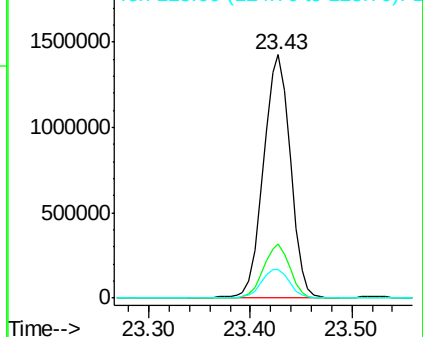
125 11.8 5.8 8.6#

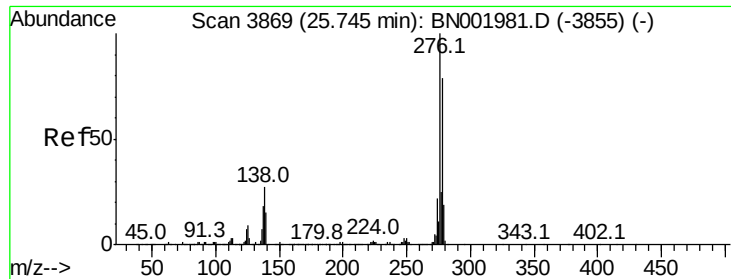


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



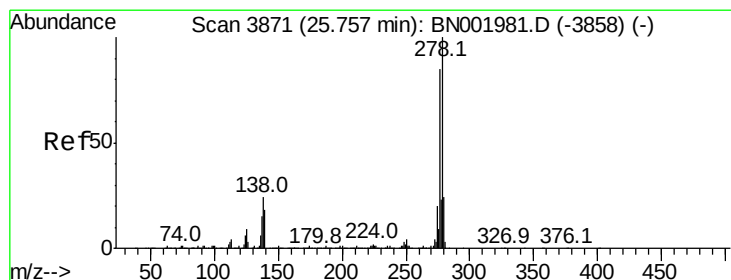
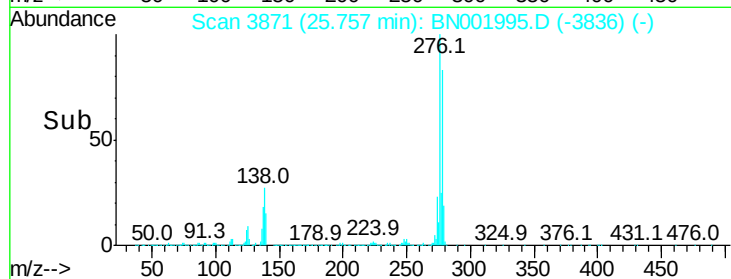
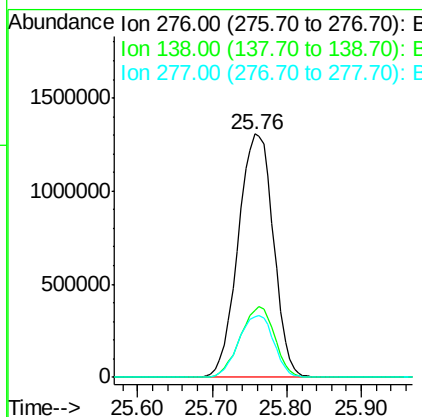
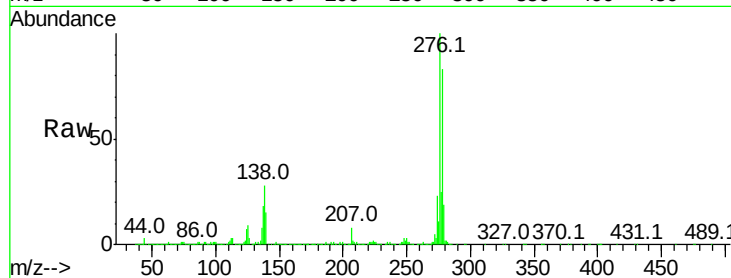


#89
 Indeno(1,2,3-cd)pyrene
 Concen: 18.212 ng/ul
 RT: 25.76 min Scan# 3871
 Delta R.T. 0.01 min
 Lab File: BN001995.D
 Acq: 09 Jul 2018 13:02

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:276 Resp: 4286689

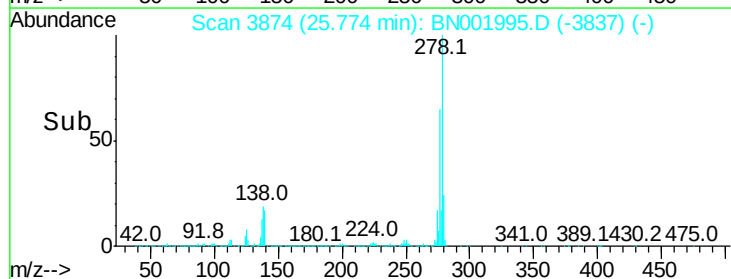
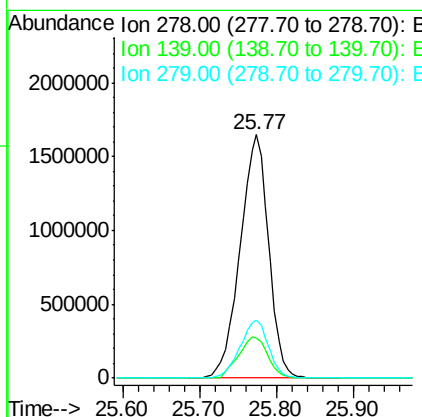
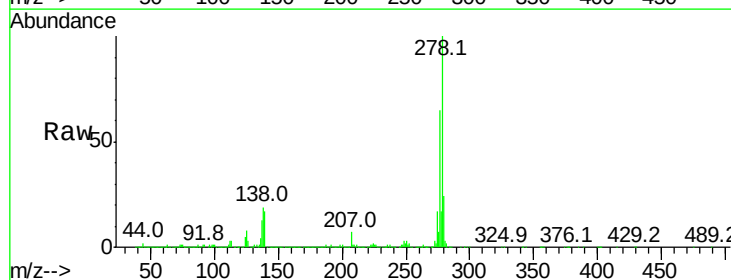
Ion	Ratio	Lower	Upper
276	100		
138	27.5	10.9	16.3#
277	25.0	18.9	28.3

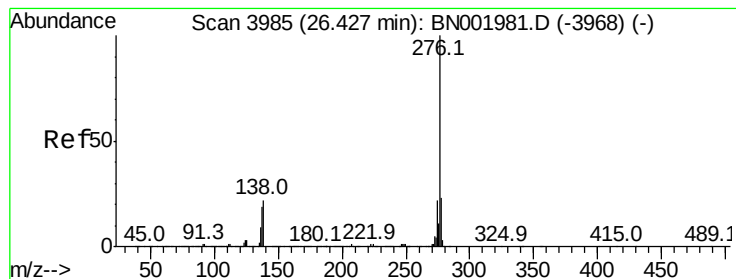


#90
 Dibenzo(a,h)anthracene
 Concen: 21.773 ng/ul
 RT: 25.77 min Scan# 3874
 Delta R.T. 0.02 min
 Lab File: BN001995.D
 Acq: 09 Jul 2018 13:02

Tgt Ion:278 Resp: 4265347

Ion	Ratio	Lower	Upper
278	100		
139	16.7	9.0	13.4#
279	23.9	19.1	28.7





#91

Benzo(a,h,i)perylene

Concen: 19.786 ng/ul

RT: 26.44 min Scan# 3987

Delta R.T. 0.01 min

Lab File: BN001995.D

Acq: 09 Jul 2018 13:02

Instrument :

BNA_N

ClientSampleId :

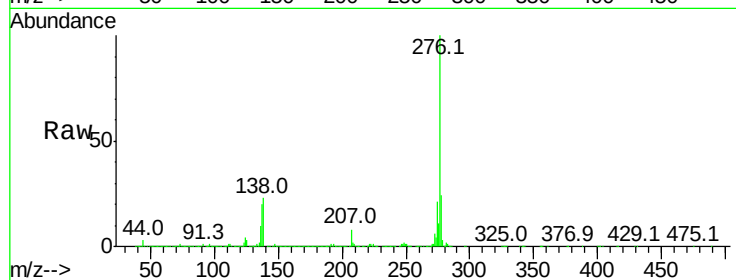
Tot Ion:276 Resp: 3841782

Ion Ratio Lower Upper

276 100

138 23.1 11.2 16.8#

277 23.7 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

