

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN081418\
 Data File : BN002330.D
 Acq On : 14 Aug 2018 11:57
 Operator : JU/SJ
 Sample : J3661-07
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 15 10:27:05 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN081318MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 13 23:38:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.68	152	175189	20.00	ng/ul	0.00
18) Naphthalene-d8	10.45	136	848350	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.31	164	524979	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.06	188	1195296	20.00	ng/ul	0.00
77) Chrysene-d12	21.26	240	1348859	20.00	ng/ul	0.00
85) Perylene-d12	23.48	264	1485937	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.24	96	18028	4.86	ng/uL	0.00
5) Phenol-d5	6.86	99	481391	29.97	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.02	67	301710	29.90	ng/ul	0.00
9) 2-Chlorophenol-d4	7.22	132	370924	30.32	ng/ul	0.00
13) 4-Methylphenol-d8	8.38	113	384801	29.96	ng/ul	0.00
19) Nitrobenzene-d5	8.83	128	200008	29.62	ng/ul	0.00
22) 2-Nitrophenol-d4	9.54	143	213889	30.12	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.08	165	427649	32.77	ng/ul	0.00
29) 4-Chloroaniline-d4	10.59	131	425997	30.20	ng/ul	0.00
43) Dimethylphthalate-d6	13.72	166	1489215	34.22	ng/ul	0.00
46) Acenaphthylene-d8	14.00	160	1709715	32.02	ng/ul	0.00
51) 4-Nitrophenol-d4	14.52	143	244198	29.68	ng/ul	0.00
57) Fluorene-d10	15.30	176	1264298	33.51	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.44	200	231532	30.42	ng/ul	0.00
70) Anthracene-d10	17.16	188	2040882	35.74	ng/ul	0.00
78) Pyrene-d10	19.46	212	2318782	35.93	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.34	264	2712436	34.91	ng/ul	0.00

Target Compounds

					Qvalue
4) Benzaldehyde	6.83	77	762384	69.082	ng/ul 93
10) 2-Chlorophenol	7.25	128	710589	57.686	ng/ul# 87
14) Acetophenone	8.49	105	1089871	53.086	ng/ul# 92
16) 4-Methylphenol	8.44	108	232888	17.339	ng/ul 89
17) Hexachloroethane	8.74	117	249273	48.309	ng/ul 99
27) 2,4-Dichlorophenol	10.10	162	845042	66.879	ng/ul 99
28) Naphthalene	10.50	128	2579353	59.094	ng/ul 100
34) 2-Methylnaphthalene	12.12	142	1963456	60.948	ng/ul 100
41) 2-Chloronaphthalene	13.18	162	2134085	65.142	ng/ul 97
49) Acenaphthene	14.37	153	1284790	35.832	ng/ul 99
58) Fluorene	15.36	166	1649565	39.858	ng/ul 99
63) 4,6-Dinitro-2-methylphenol	15.46	198	685710	87.345	ng/ul 98
67) Atrazine	16.53	200	844179	66.110	ng/ul 99
69) Phenanthrene	17.10	178	3187280	48.370	ng/ul 99
74) Carbazole	17.47	167	4602030	77.650	ng/ul 99
79) Pyrene	19.49	202	4879509	59.994	ng/ul 99
80) Butylbenzylphthalate	20.40	149	2166986	62.882	ng/ul 95
83) Bis(2-ethylhexyl)phthalate	21.18	149	2972467	57.506	ng/ul 98
91) Indeno(1,2,3-cd)pyrene	25.73	276	6264826	62.065	ng/ul 99
92) Dibenzo(a,h)anthracene	25.73	278	4149561	49.173	ng/ul 99
93) Benzo(g,h,i)perylene	26.40	276	3962195	47.044	ng/ul 99

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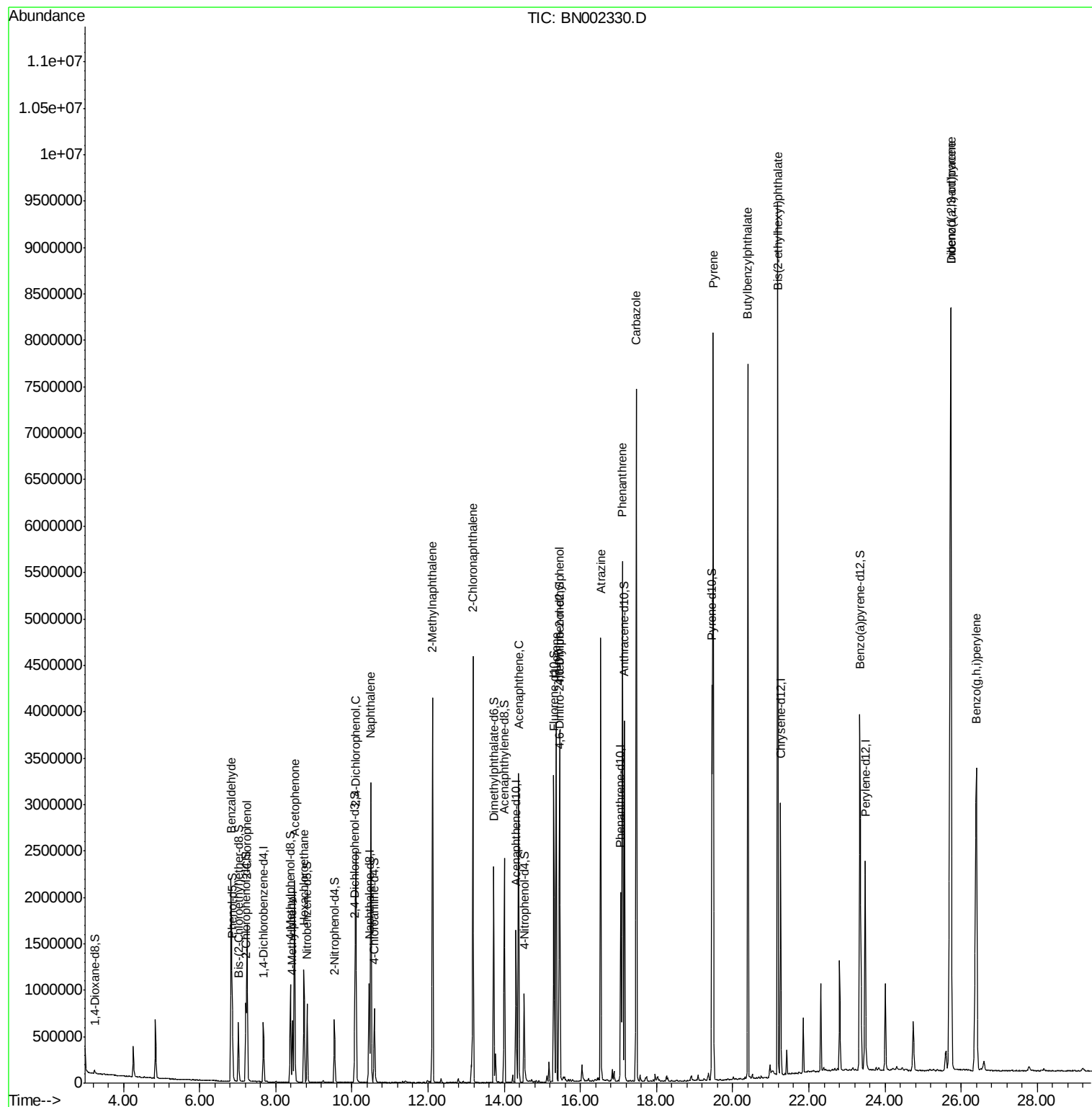
Quant Time: Aug 15 10:27:05 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN081318MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 13 23:38:34 2018
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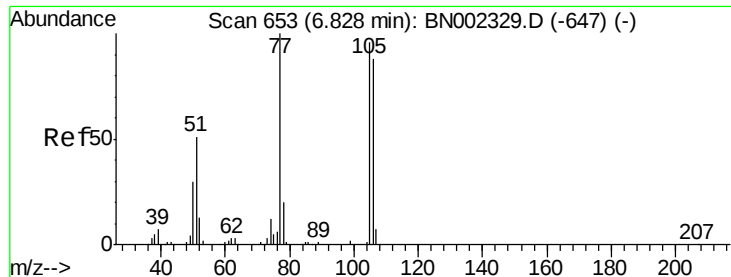
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

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#4

Benzaldehyde

Concen: 69.082 ng/ul

RT: 6.83 min Scan# 653

Delta R.T. 0.00 min

Lab File: BN002330.D

Acq: 14 Aug 2018 11:57

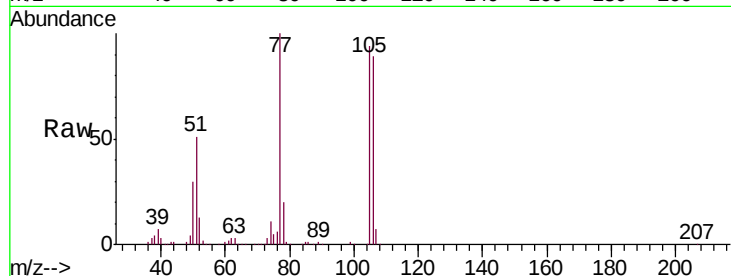
Tgt Ion: 77 Resp: 762384

Ion Ratio Lower Upper

77 100

105 94.3 80.6 120.8

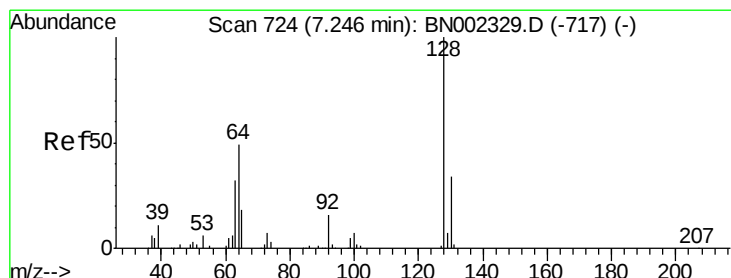
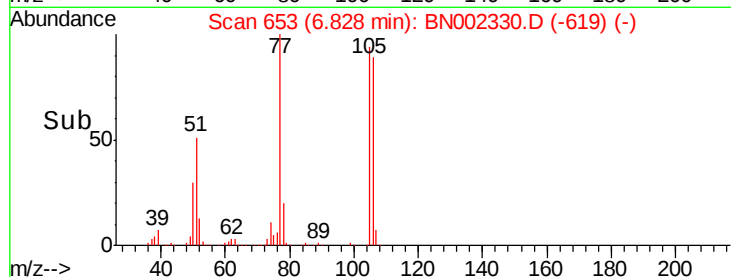
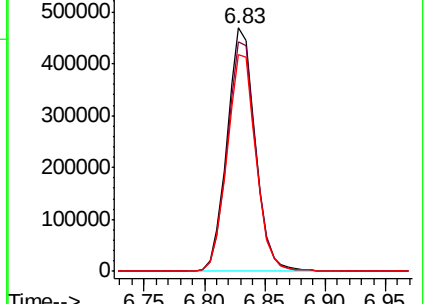
106 88.9 77.7 116.5



Abundance Ion 77.00 (76.70 to 77.70): BN002329.D (-647) (-)

Ion 105.00 (104.70 to 105.70): BN002329.D (-647) (-)

Ion 106.00 (105.70 to 106.70): BN002329.D (-647) (-)



#10

2-Chlorophenol

Concen: 57.686 ng/ul

RT: 7.25 min Scan# 724

Delta R.T. 0.00 min

Lab File: BN002330.D

Acq: 14 Aug 2018 11:57

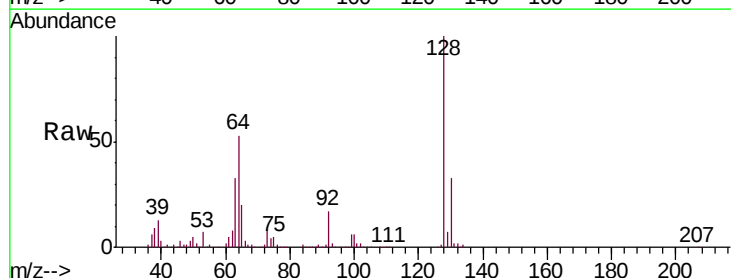
Tgt Ion: 128 Resp: 710589

Ion Ratio Lower Upper

128 100

64 53.3 31.9 47.9#

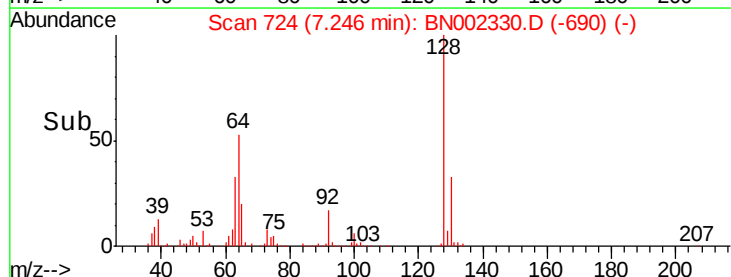
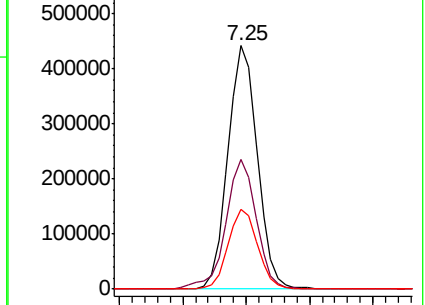
130 32.8 25.6 38.4

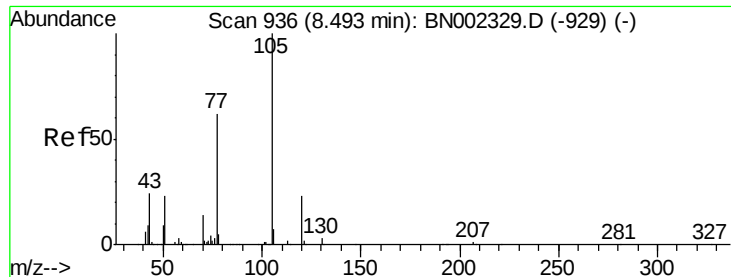


Abundance Ion 128.00 (127.70 to 128.70): BN002329.D (-717) (-)

Ion 64.00 (63.70 to 64.70): BN002329.D (-717) (-)

Ion 130.00 (129.70 to 130.70): BN002329.D (-717) (-)





#14

Acetophenone

Concen: 53.086 ng/ul

RT: 8.49 min Scan# 936

Delta R.T. 0.00 min

Lab File: BN002330.D

Acq: 14 Aug 2018 11:57

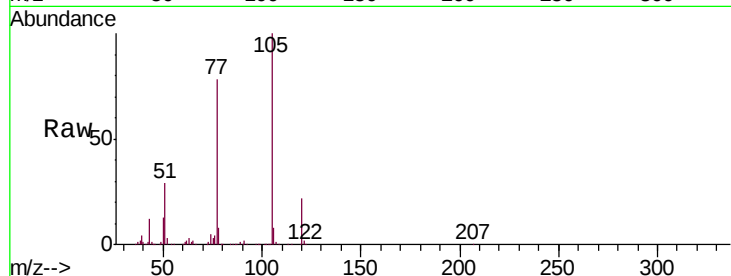
Tgt Ion:105 Resp: 1089871

Ion Ratio Lower Upper

105 100

77 77.8 59.0 88.4

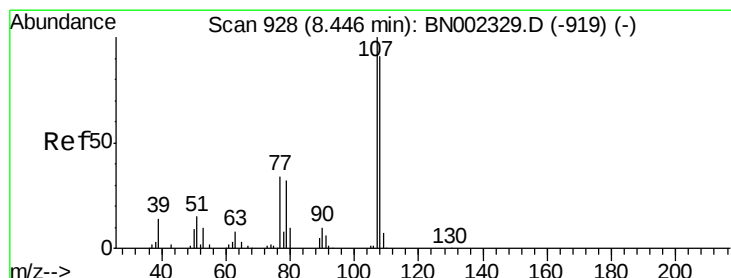
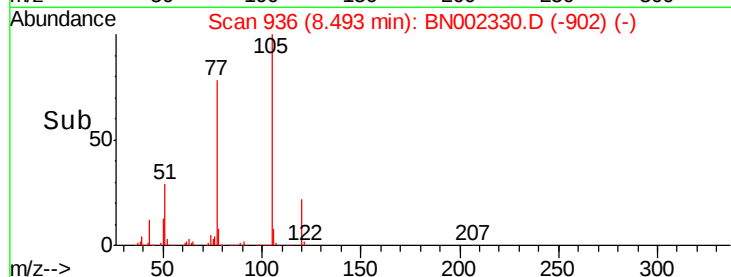
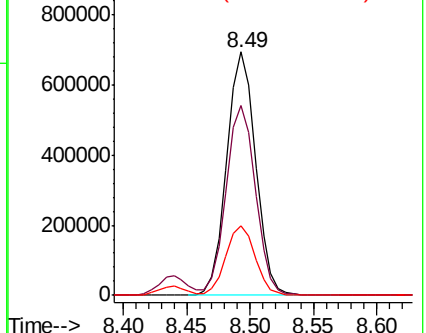
51 28.8 16.4 24.6#



Abundance Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BNC

Ion 51.00 (50.70 to 51.70): BNC



#16

4-Methylphenol

Concen: 17.339 ng/ul

RT: 8.44 min Scan# 927

Delta R.T. 0.00 min

Lab File: BN002330.D

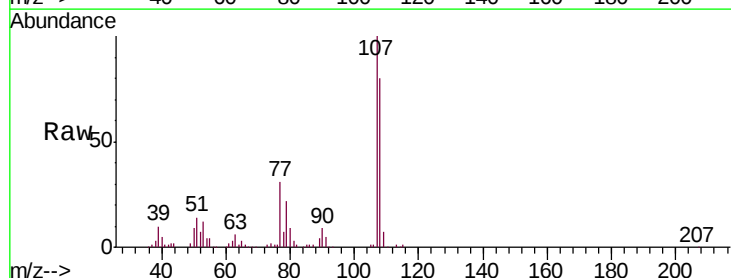
Acq: 14 Aug 2018 11:57

Tgt Ion:108 Resp: 232888

Ion Ratio Lower Upper

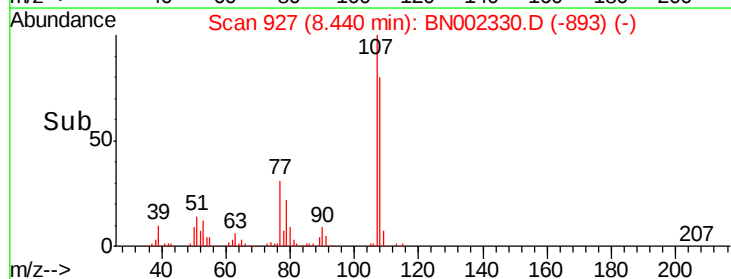
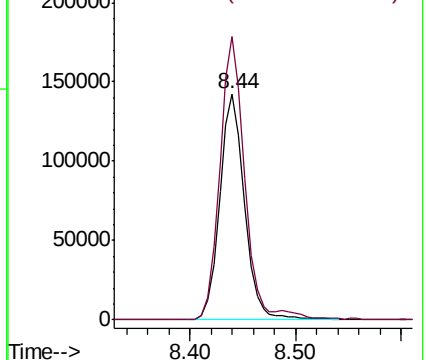
108 100

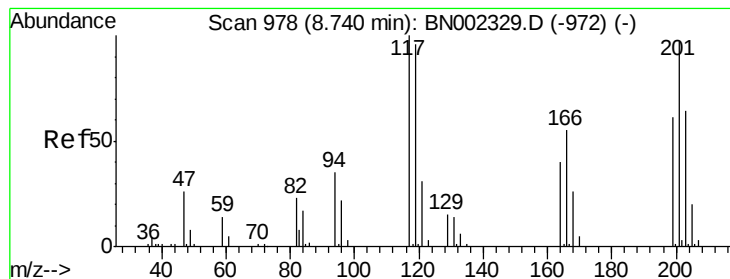
107 125.2 90.3 135.5



Abundance Ion 108.00 (107.70 to 108.70): E

Ion 107.00 (106.70 to 107.70): E





#17

Hexachloroethane

Concen: 48.309 ng/ul

RT: 8.74 min Scan# 978

Delta R.T. 0.00 min

Lab File: BN002330.D

Acq: 14 Aug 2018 11:57

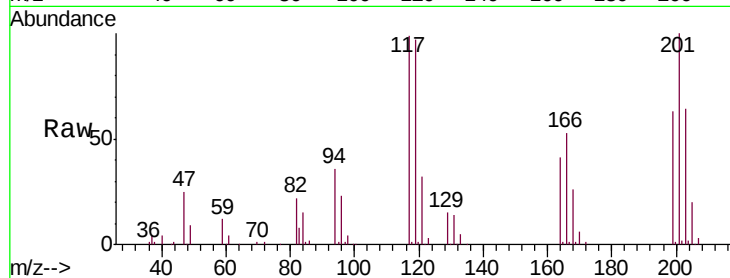
Tgt Ion:117 Resp: 249273

Ion Ratio Lower Upper

117 100

201 100.7 81.5 122.3

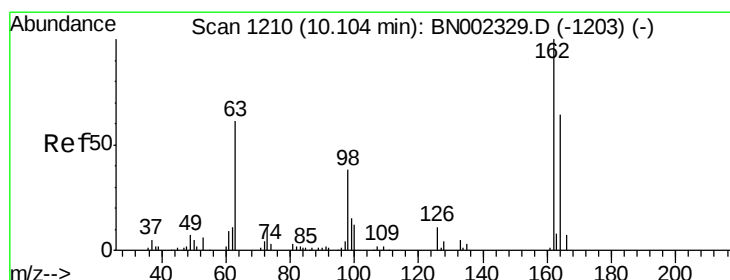
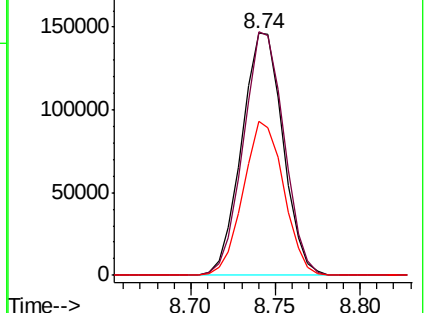
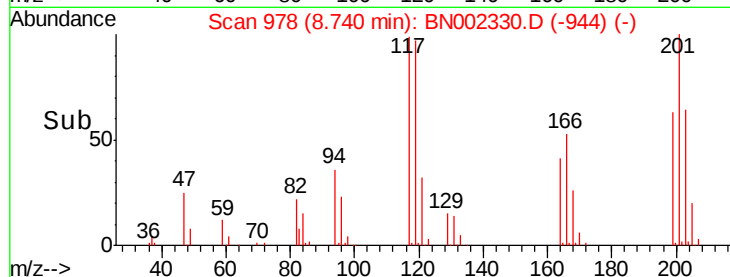
199 63.8 50.6 76.0



Abundance Ion 117.00 (116.70 to 117.70): E

Ion 201.00 (200.70 to 201.70): E

Ion 199.00 (198.70 to 199.70): E



#27

2,4-Dichlorophenol

Concen: 66.879 ng/ul

RT: 10.10 min Scan# 1210

Delta R.T. 0.00 min

Lab File: BN002330.D

Acq: 14 Aug 2018 11:57

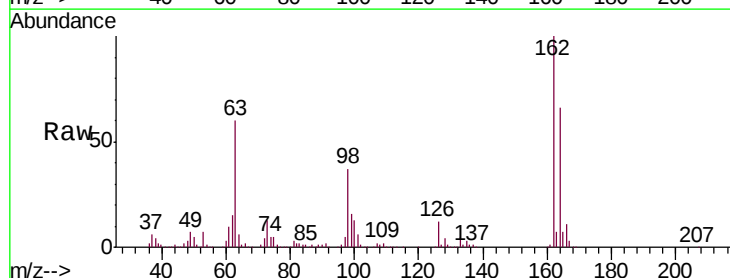
Tgt Ion:162 Resp: 845042

Ion Ratio Lower Upper

162 100

164 65.8 52.1 78.1

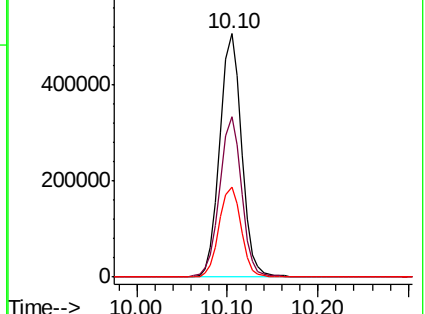
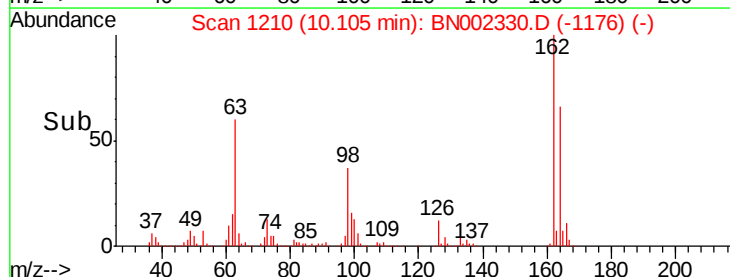
98 36.9 28.4 42.6

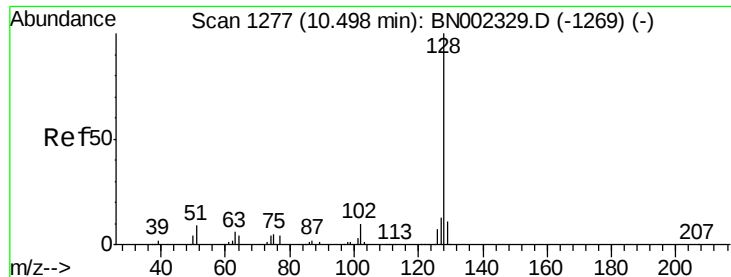


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BNC





#28

Naphthalene

Concen: 59.094 ng/ul

RT: 10.50 min Scan# 1277

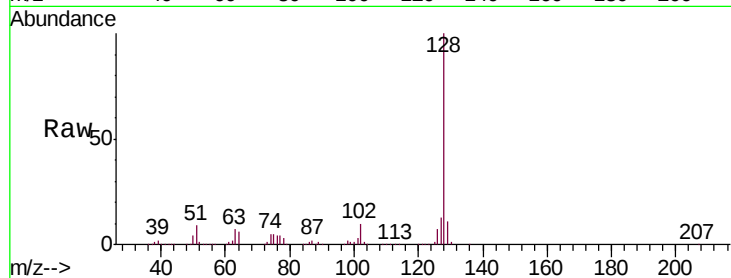
Delta R.T. 0.00 min

Lab File: BN002330.D

Acq: 14 Aug 2018 11:57

Tgt Ion:128 Resp: 2579353

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.8	13.2
127	13.1	10.5	15.7

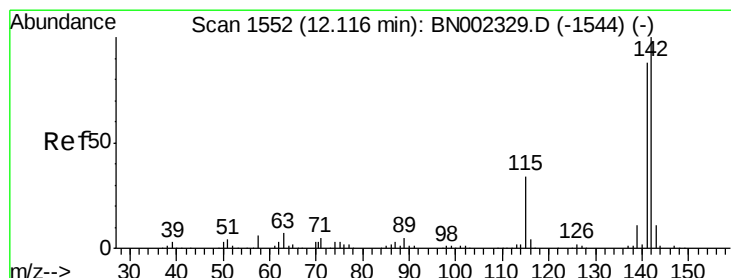
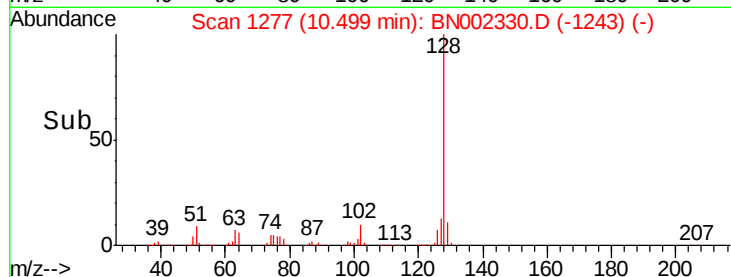
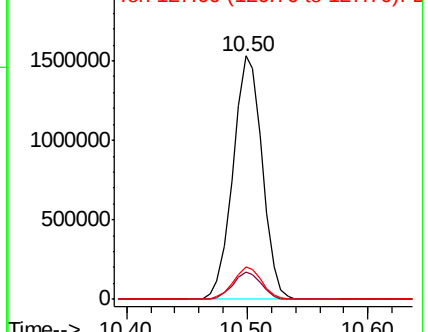


Abundance

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



#34

2-Methylnaphthalene

Concen: 60.948 ng/ul

RT: 12.12 min Scan# 1552

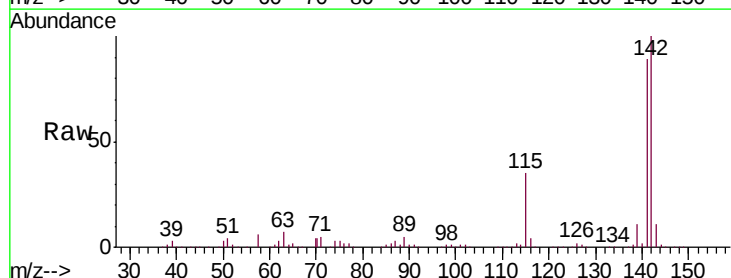
Delta R.T. 0.00 min

Lab File: BN002330.D

Acq: 14 Aug 2018 11:57

Tgt Ion:142 Resp: 1963456

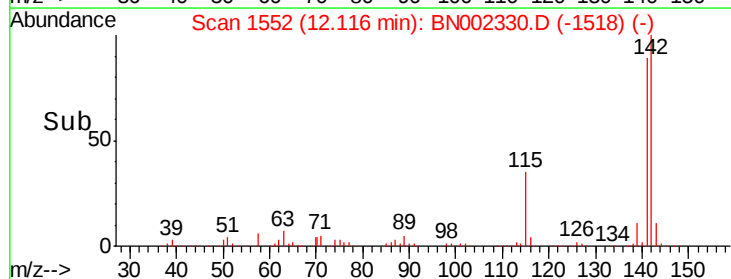
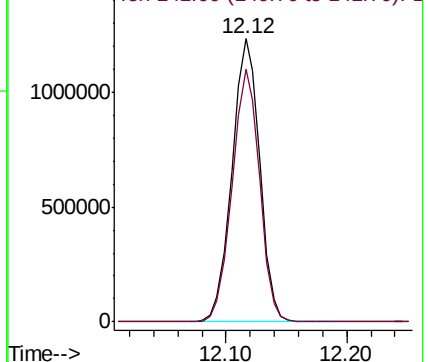
Ion	Ratio	Lower	Upper
142	100		
141	89.1	71.6	107.4

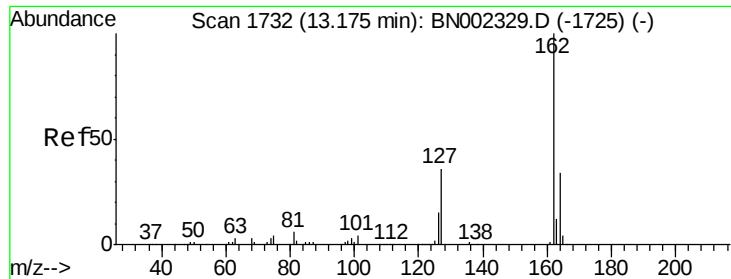


Abundance

Ion 142.00 (141.70 to 142.70): E

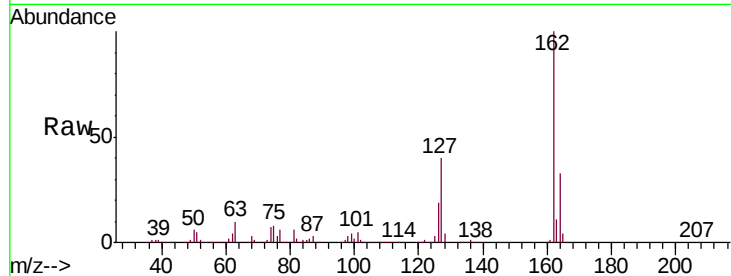
Ion 141.00 (140.70 to 141.70): E



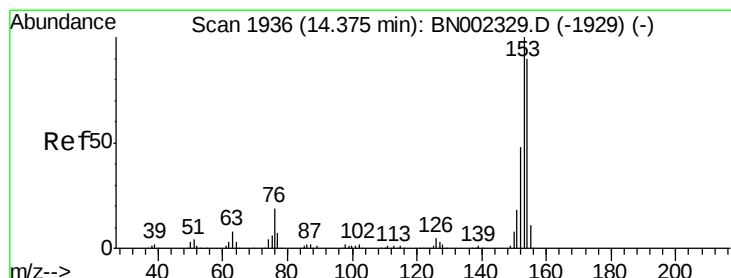
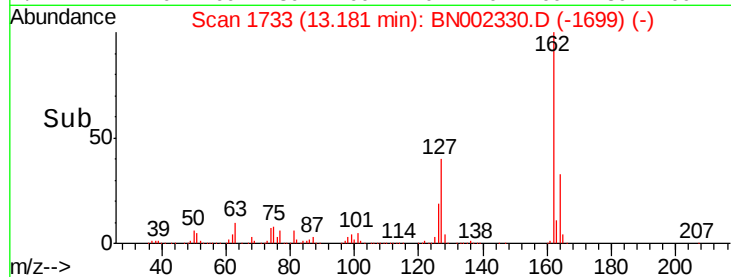
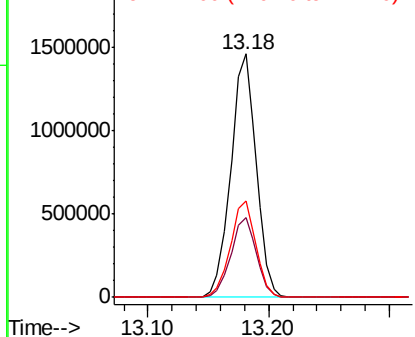


#41
2-Chloronaphthalene
Concen: 65.142 ng/ul
RT: 13.18 min Scan# 1733
Delta R.T. 0.00 min
Lab File: BN002330.D
Acq: 14 Aug 2018 11:57

Tgt Ion:162 Resp: 2134085
Ion Ratio Lower Upper
162 100
164 32.8 25.9 38.9
127 39.7 34.1 51.1

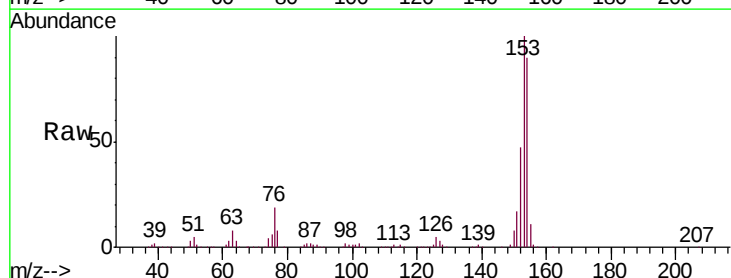


Abundance Ion 162.00 (161.70 to 162.70): E
2000000 Ion 164.00 (163.70 to 164.70): E
Ion 127.00 (126.70 to 127.70): E

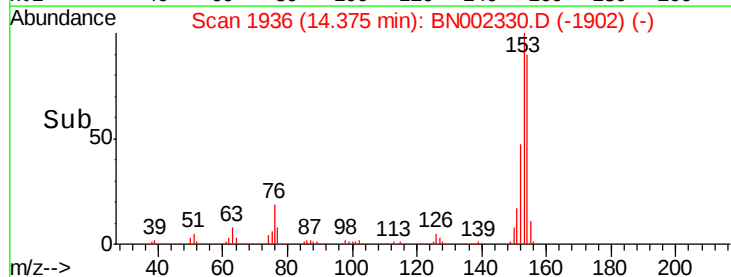
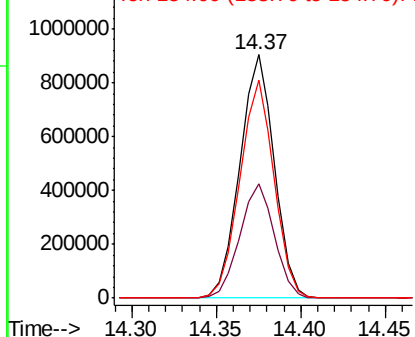


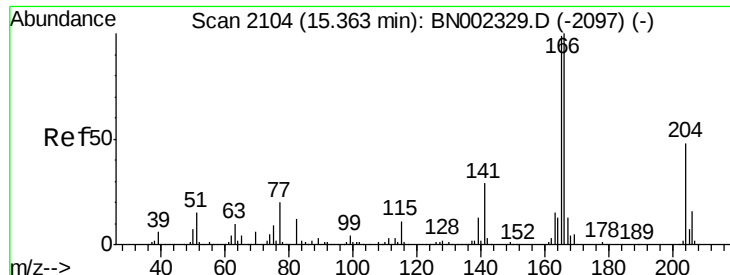
#49
Acenaphthene
Concen: 35.832 ng/ul
RT: 14.37 min Scan# 1936
Delta R.T. 0.00 min
Lab File: BN002330.D
Acq: 14 Aug 2018 11:57

Tgt Ion:153 Resp: 1284790
Ion Ratio Lower Upper
153 100
152 47.0 38.3 57.5
154 89.6 71.8 107.8



Abundance Ion 153.00 (152.70 to 153.70): E
1200000 Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E





#58

Fluorene

Concen: 39.858 ng/ul

RT: 15.36 min Scan# 2104

Delta R.T. 0.00 min

Lab File: BN002330.D

Acq: 14 Aug 2018 11:57

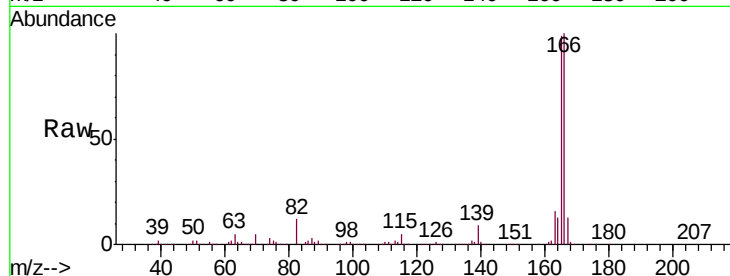
Tgt Ion:166 Resp: 1649565

Ion Ratio Lower Upper

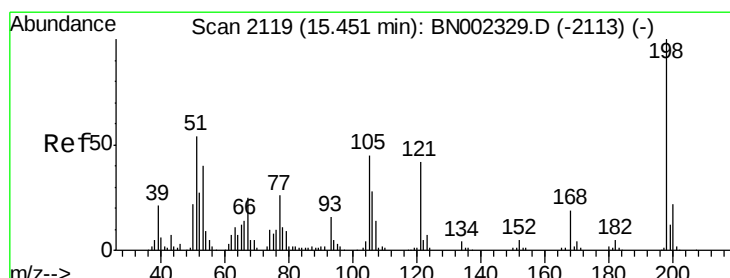
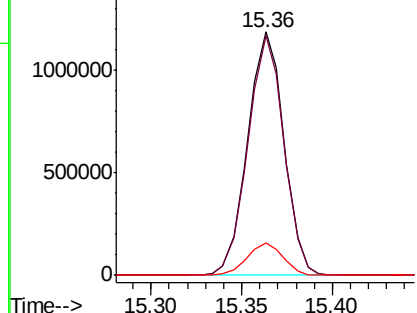
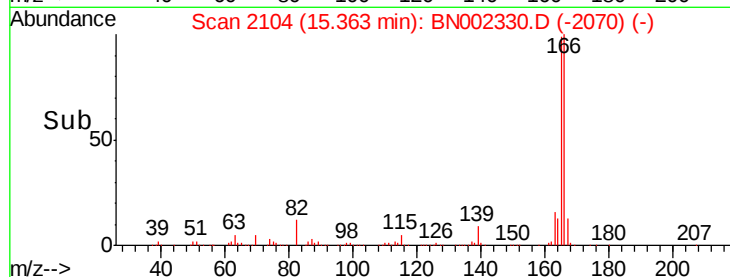
166 100

165 98.7 78.5 117.7

167 13.4 10.7 16.1



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



#63

4,6-Dinitro-2-methylphenol

Concen: 87.345 ng/ul

RT: 15.46 min Scan# 2120

Delta R.T. 0.01 min

Lab File: BN002330.D

Acq: 14 Aug 2018 11:57

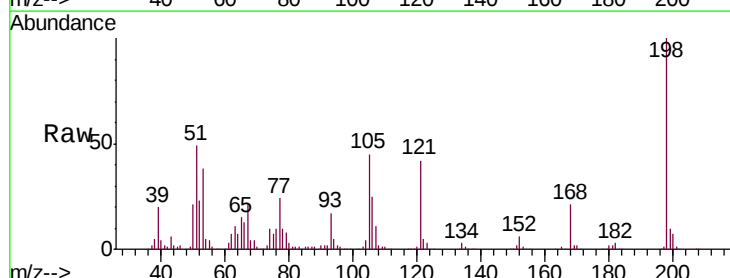
Tgt Ion:198 Resp: 685710

Ion Ratio Lower Upper

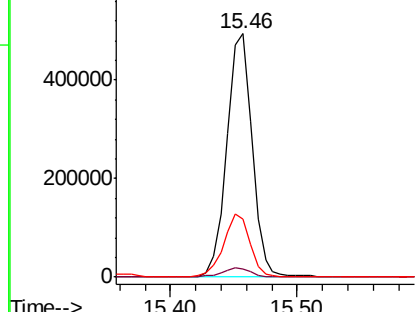
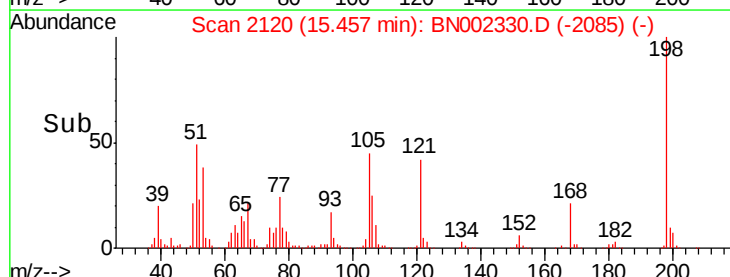
198 100

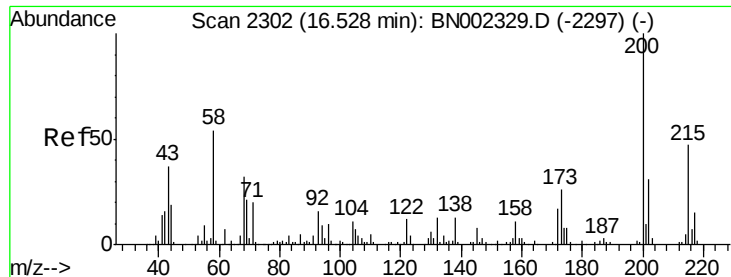
182 3.4 3.1 4.7

77 23.9 20.1 30.1



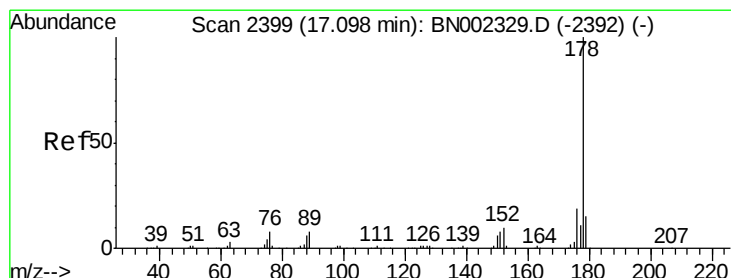
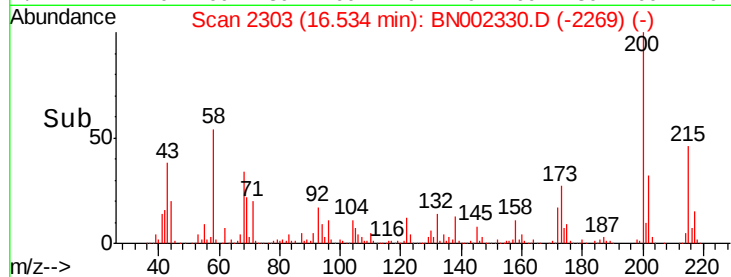
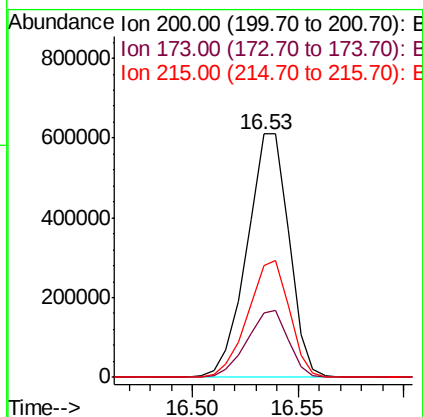
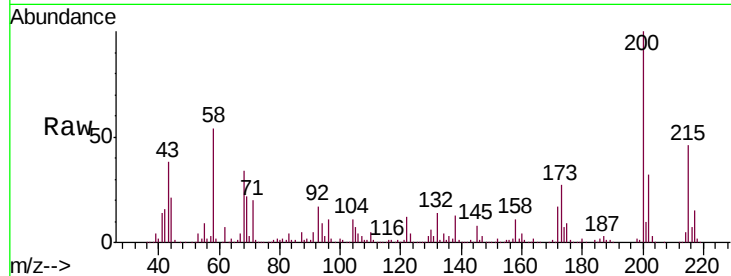
Abundance Ion 198.00 (197.70 to 198.70): E
Ion 182.00 (181.70 to 182.70): E
Ion 77.00 (76.70 to 77.70): BNO





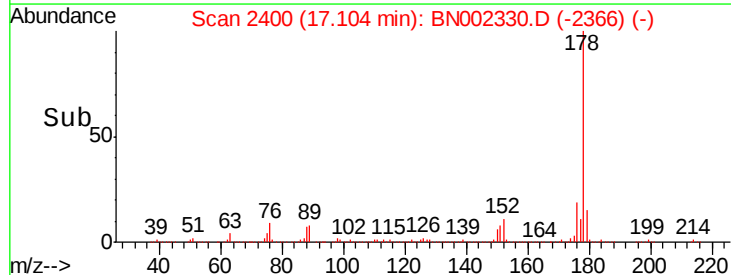
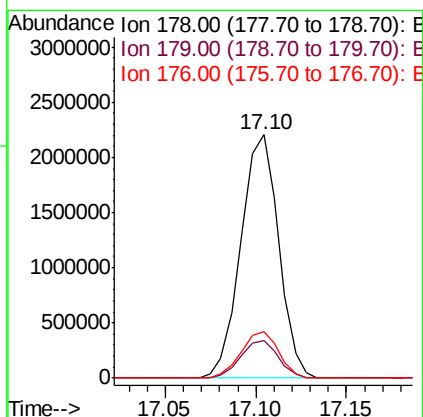
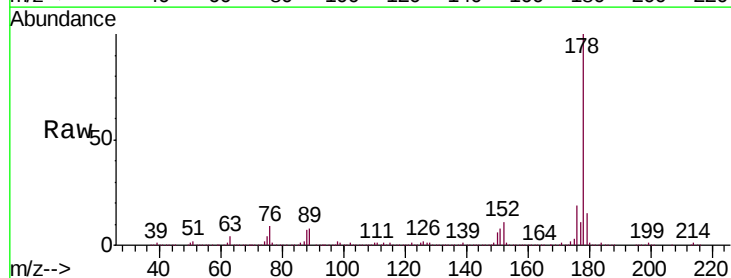
#67
 Atrazine
 Concen: 66.110 ng/ul
 RT: 16.53 min Scan# 2303
 Delta R.T. 0.00 min
 Lab File: BN002330.D
 Acq: 14 Aug 2018 11:57

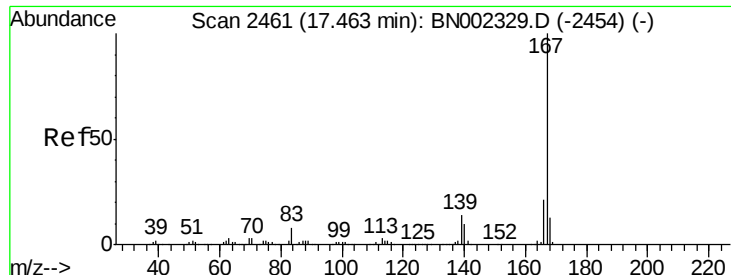
Tgt Ion	Ratio	Lower	Upper
200	100		
173	26.5	21.6	32.4
215	45.8	37.0	55.4



#69
 Phenanthrene
 Concen: 48.370 ng/ul
 RT: 17.10 min Scan# 2400
 Delta R.T. 0.00 min
 Lab File: BN002330.D
 Acq: 14 Aug 2018 11:57

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.2	18.4
176	19.0	15.6	23.4





#74

Carbazole

Concen: 77.650 ng/ul

RT: 17.47 min Scan# 2462

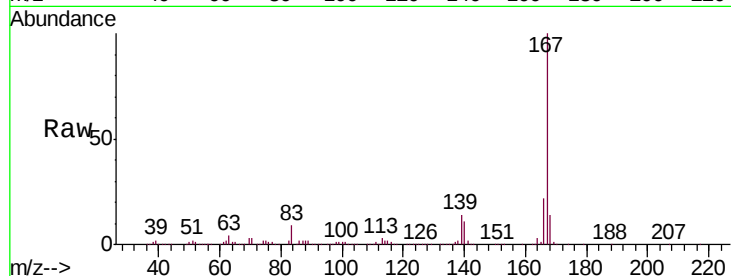
Delta R.T. 0.01 min

Lab File: BN002330.D

Acq: 14 Aug 2018 11:57

Tgt Ion:167 Resp: 4602030

Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.0	25.6
139	13.6	11.0	16.4

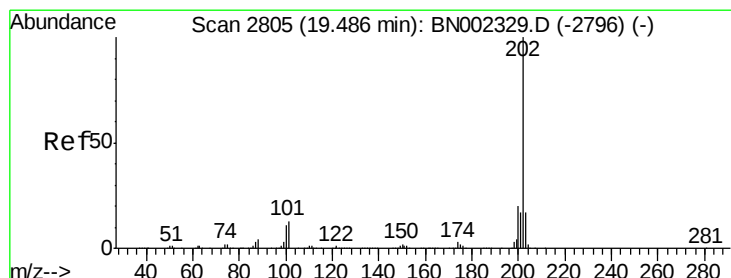
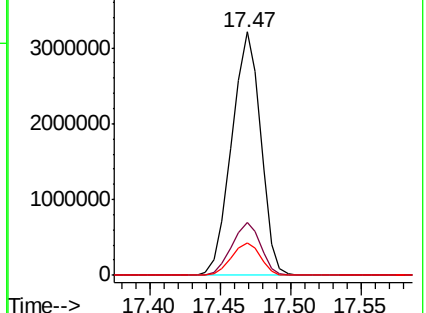
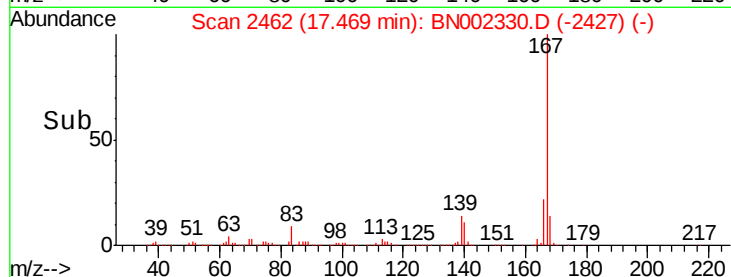


Abundance

Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#79

Pyrene

Concen: 59.994 ng/ul

RT: 19.49 min Scan# 2806

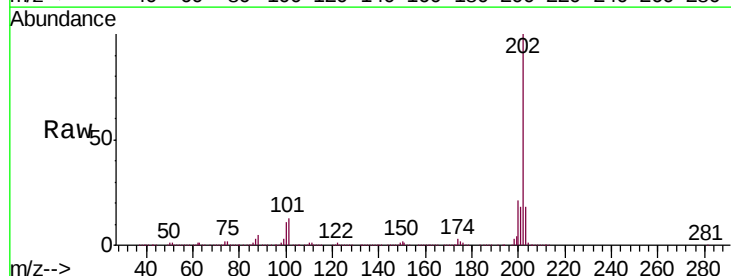
Delta R.T. 0.01 min

Lab File: BN002330.D

Acq: 14 Aug 2018 11:57

Tgt Ion:202 Resp: 4879509

Ion	Ratio	Lower	Upper
202	100		
101	13.3	10.2	15.2
100	10.9	8.5	12.7

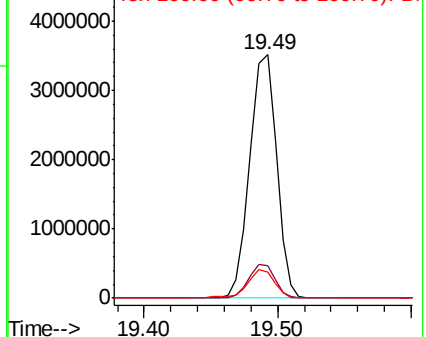
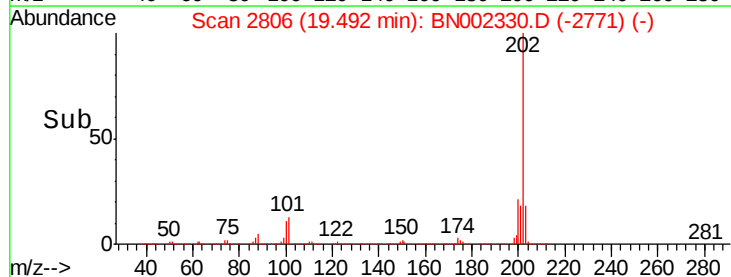


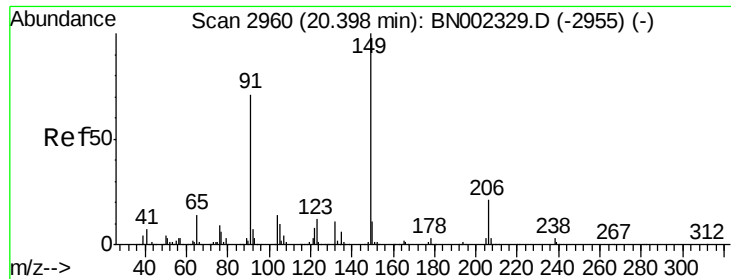
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

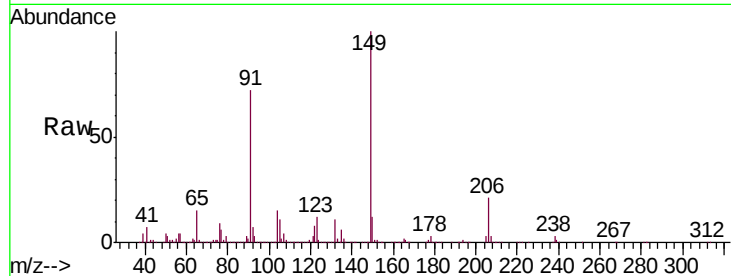
Ion 100.00 (99.70 to 100.70): E



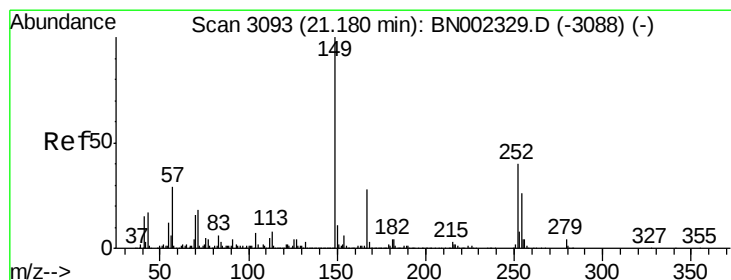
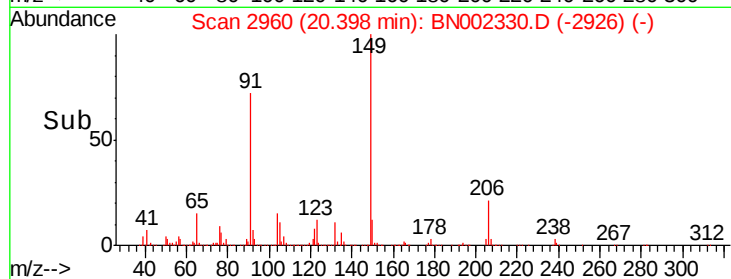
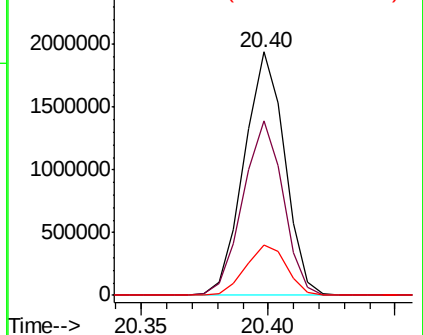


#80
Butylbenzylphthalate
Concen: 62.882 ng/ul
RT: 20.40 min Scan# 2960
Delta R.T. 0.00 min
Lab File: BN002330.D
Acq: 14 Aug 2018 11:57

Tgt Ion:149 Resp: 2166986
Ion Ratio Lower Upper
149 100
91 71.9 53.4 80.2
206 20.5 16.6 24.8

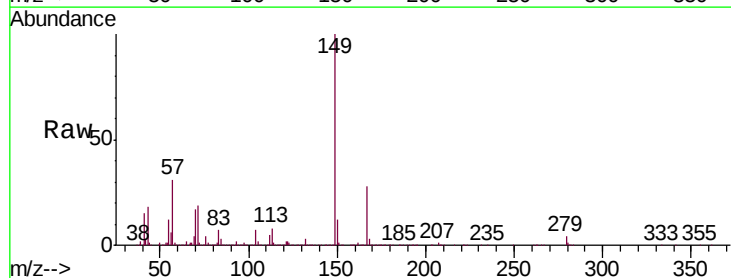


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): B
Ion 206.00 (205.70 to 206.70): E

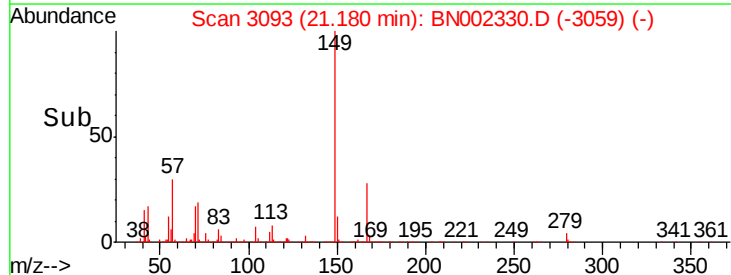
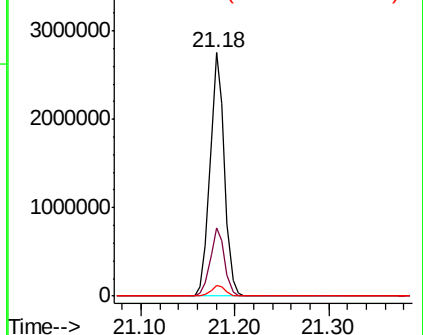


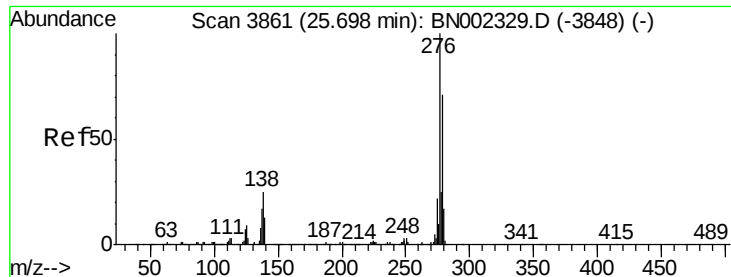
#83
Bis(2-ethylhexyl)phthalate
Concen: 57.506 ng/ul
RT: 21.18 min Scan# 3093
Delta R.T. 0.00 min
Lab File: BN002330.D
Acq: 14 Aug 2018 11:57

Tgt Ion:149 Resp: 2972467
Ion Ratio Lower Upper
149 100
167 28.1 21.6 32.4
279 4.2 3.0 4.4



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

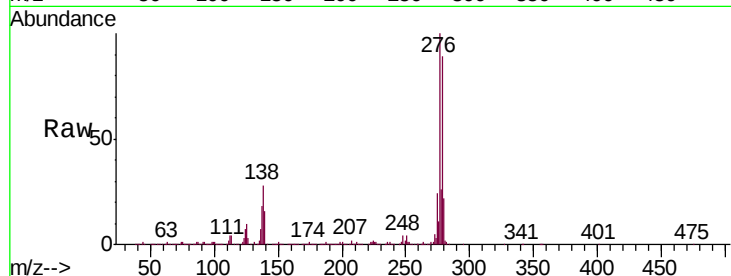




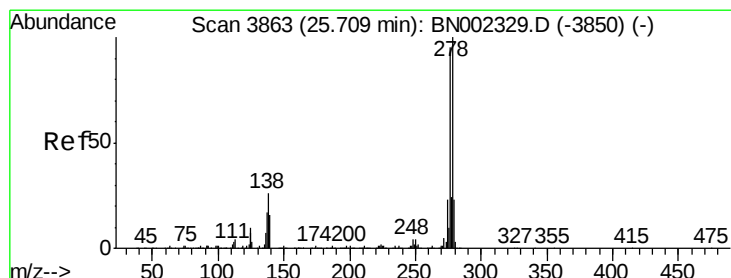
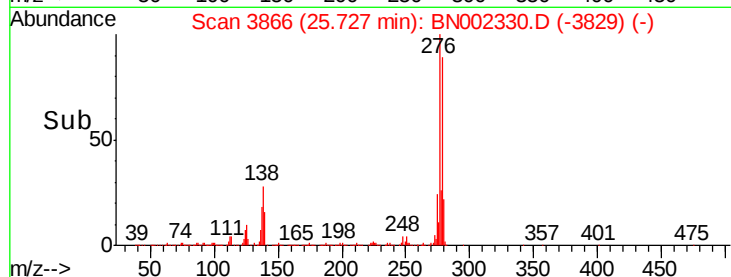
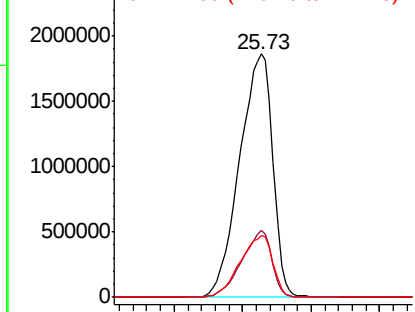
#91

Indeno(1,2,3-cd)pyrene
Concen: 62.065 ng/ul
RT: 25.73 min Scan# 3866
Delta R.T. 0.02 min
Lab File: BN002330.D
Acq: 14 Aug 2018 11:57

Tgt Ion:276 Resp: 6264826
Ion Ratio Lower Upper
276 100
138 27.5 22.3 33.5
277 25.6 20.2 30.2



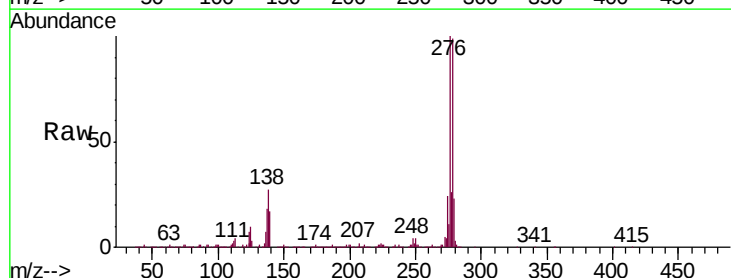
Abundance Ion 276.00 (275.70 to 276.70): E
2500000
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



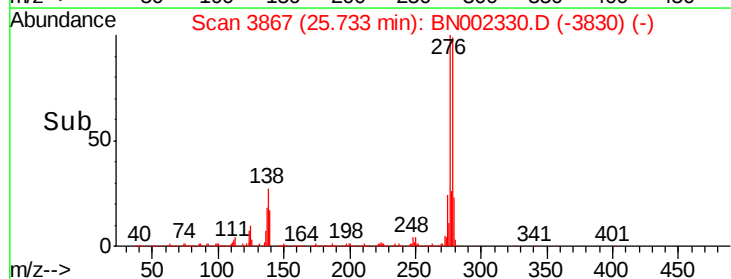
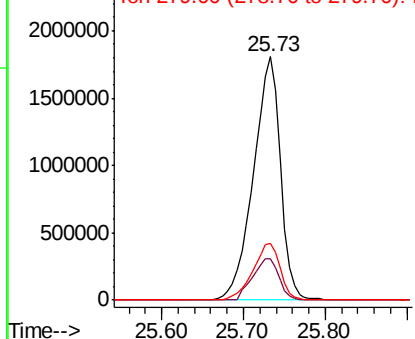
#92

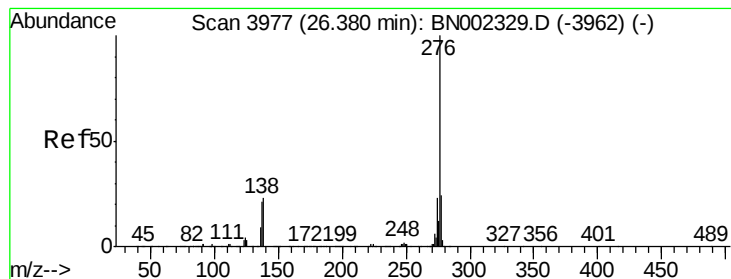
Dibenzo(a,h)anthracene
Concen: 49.173 ng/ul
RT: 25.73 min Scan# 3867
Delta R.T. 0.02 min
Lab File: BN002330.D
Acq: 14 Aug 2018 11:57

Tgt Ion:278 Resp: 4149561
Ion Ratio Lower Upper
278 100
139 17.1 13.9 20.9
279 23.5 19.0 28.4



Abundance Ion 278.00 (277.70 to 278.70): E
2500000
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#93

Benzo(g,h,i)perylene

Concen: 47.044 ng/ul

RT: 26.40 min Scan# 3980

Delta R.T. 0.01 min

Lab File: BN002330.D

Acq: 14 Aug 2018 11:57

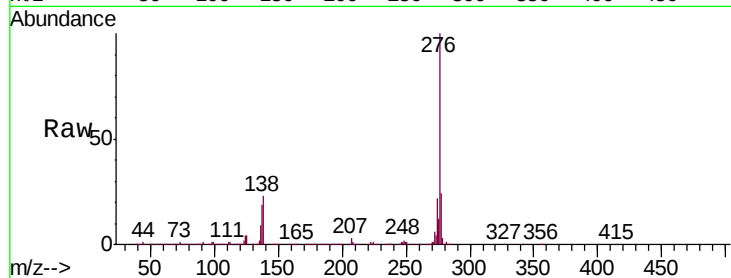
Tgt Ion: 276 Resp: 3962195

Ion Ratio Lower Upper

276 100

138 22.6 18.9 28.3

277 23.8 19.2 28.8



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

