

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN030719\
 Data File : BN004638.D
 Acq On : 07 Mar 2019 15:55
 Operator : JU/SJ
 Sample : K1657-20
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 DB637

Quant Time: Mar 08 05:37:50 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN030719MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Mar 08 00:36:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.72	152	30551	20.00	ng/ul	0.00
18) Naphthalene-d8	10.50	136	145193	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.36	164	92677	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.11	188	222061	20.00	ng/ul	0.00
78) Chrysene-d12	21.32	240	254262	20.00	ng/ul	0.00
86) Perylene-d12	23.57	264	262004	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	2631	4.86	ng/uL	0.00
5) Phenol-d5	6.89	99	77606	30.74	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.06	67	39053	29.66	ng/ul	0.00
9) 2-Chlorophenol-d4	7.25	132	67664	30.89	ng/ul	0.00
13) 4-Methylphenol-d8	8.42	113	66724	30.39	ng/ul	0.00
19) Nitrobenzene-d5	8.88	128	34892	31.52	ng/ul	0.00
22) 2-Nitrophenol-d4	9.60	143	35348	28.12	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.12	165	76188	31.80	ng/ul	0.00
29) 4-Chloroaniline-d4	10.65	131	28834	10.03	ng/ul	0.00
44) Dimethylphthalate-d6	13.77	166	259613	32.40	ng/ul	0.00
47) Acenaphthylene-d8	14.06	160	314921	32.65	ng/ul	0.00
52) 4-Nitrophenol-d4	14.56	143	39288	26.42	ng/ul	0.00
58) Fluorene-d10	15.36	176	222179	32.62	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.48	200	27463	17.91	ng/ul	0.00
71) Anthracene-d10	17.21	188	366308	33.87	ng/ul	0.00
79) Pyrene-d10	19.52	212	419908	33.80	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.43	264	452330	32.15	ng/ul	0.00

Target Compounds

					Ovalue
2) 1,4-Dioxane	3.26	88	15076	22.587	ng/uL 95
4) Benzaldehyde	6.88	77	66490	40.678	ng/ul 95
6) Phenol	6.91	94	108748	42.326	ng/ul 99
10) 2-Chlorophenol	7.28	128	62176	28.130	ng/ul 99
15) N-Nitroso-di-n-propylamine	8.52	70	49320	31.730	ng/ul 99
20) Nitrobenzene	8.92	77	57427	25.270	ng/ul 99
23) 2-Nitrophenol	9.63	139	33262	24.473	ng/ul 97
27) 2,4-Dichlorophenol	10.15	162	69142	29.323	ng/ul 98
28) Naphthalene	10.56	128	154728	20.453	ng/ul 99
31) Hexachlorobutadiene	10.82	225	48621	31.026	ng/ul 99
33) 4-Chloro-3-methylphenol	11.79	107	125570	49.667	ng/ul 98
37) 1,2,4,5-Tetrachlorobenzene	12.54	216	75011	23.017	ng/ul 99
39) 2,4,6-Trichlorophenol	12.78	196	89747	42.752	ng/ul 100
41) 1,1'-Biphenyl	13.19	154	235757	30.238	ng/ul 99
42) 2-Chloronaphthalene	13.23	162	112587	18.992	ng/ul 100
45) Dimethylphthalate	13.82	163	214793	27.319	ng/ul 99
46) 2,6-Dinitrotoluene	13.95	165	47455	29.809	ng/ul 96
50) Acenaphthene	14.43	153	164436	25.521	ng/ul 99
53) 4-Nitrophenol	14.58	109	27088	25.067	ng/ul 98
54) Dibenzofuran	14.76	168	194723	21.040	ng/ul 99
56) 2,3,4,6-Tetrachlorophenol	14.99	232	54440	25.597	ng/ul 98
60) 4-Chlorophenyl-phenylether	15.41	204	78170	19.828	ng/ul 98
64) 4,6-Dinitro-2-methylphenol	15.50	198	47523	29.400	ng/ul 97

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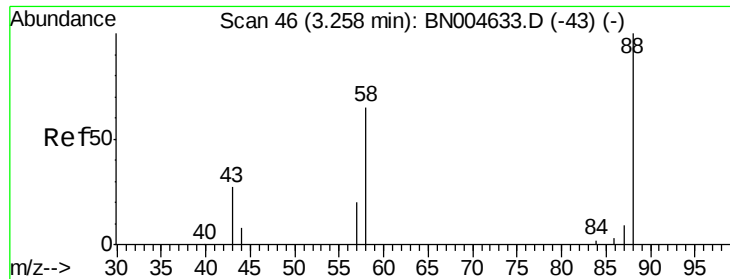
Instrument :
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67) Hexachlorobenzene	16.41	284	72291	23.112	ng/ul	97
69) Pentachlorophenol	16.76	266	79787	40.929	ng/ul	97
70) Phenanthrene	17.15	178	260945	21.132	ng/ul	100
72) Anthracene	17.25	178	310511	24.612	ng/ul	100
75) Carbazole	17.52	167	278136	25.385	ng/ul	100
76) Di-n-butylphthalate	18.07	149	291525	21.455	ng/ul	100
77) Fluoranthene	19.17	202	694653	48.792	ng/ul	99
80) Pyrene	19.55	202	498522	32.340	ng/ul	100
81) Butylbenzylphthalate	20.44	149	130752	20.659	ng/ul	98
83) Benzo(a)anthracene	21.30	228	635182	39.710	ng/ul	99
84) Bis(2-ethylhexyl)phthalate	21.22	149	239412	26.030	ng/ul	100
85) Chrysene	21.35	228	432218	29.099	ng/ul	100
88) Benzo(b)fluoranthene	22.89	252	469850	28.892	ng/ul	100
91) Benzo(a)pyrene	23.48	252	417916	27.318	ng/ul	99
92) Indeno(1,2,3-cd)pyrene	25.86	276	511292	30.682	ng/ul	97
93) Dibenzo(a,h)anthracene	25.87	278	333730	23.803	ng/ul	99

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



#2

1,4-Dioxane

Concen: 22.587 ng/uL

RT: 3.26 min Scan# 46

Delta R.T. -0.00 min

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Acq: 07 Mar 2019 15:55

Instrument :

BNA_N

ClientSampleId :

DB637

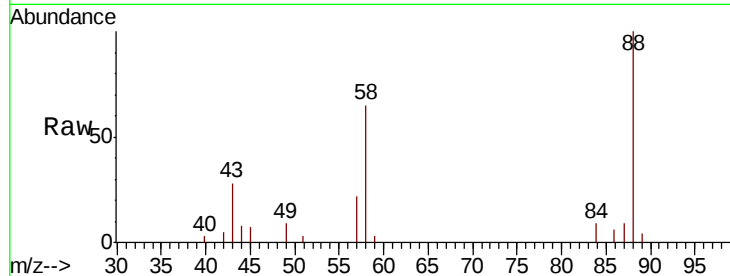
Tot Ion: 88 Resp: 15076

Ion Ratio Lower Upper

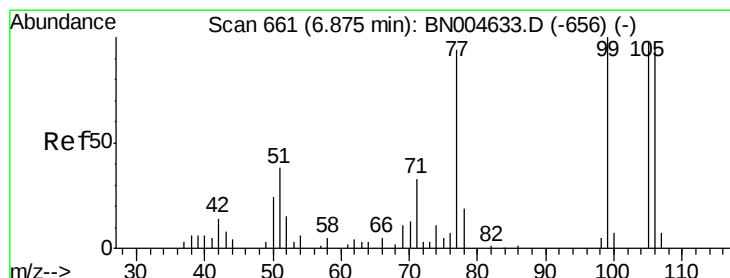
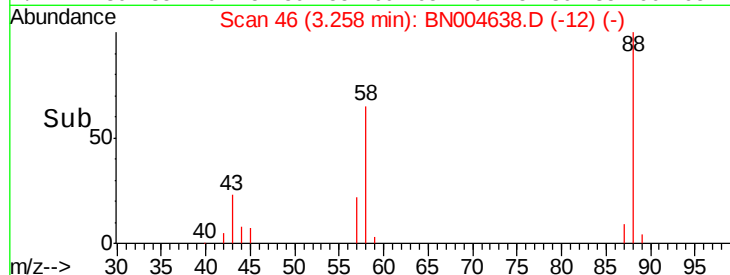
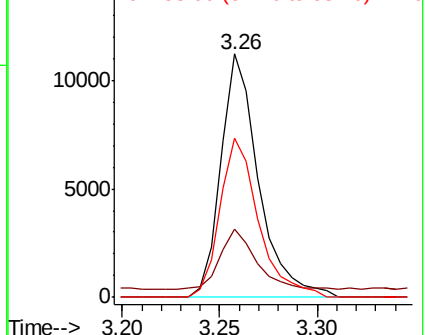
88 100

43 27.8 25.6 38.4

58 65.3 54.6 82.0



Abundance Ion 88.00 (87.70 to 88.70): BN0
Ion 43.00 (42.70 to 43.70): BN0
Ion 58.00 (57.70 to 58.70): BN0



#4

Benzaldehyde

Concen: 40.678 ng/uL

RT: 6.88 min Scan# 661

Delta R.T. -0.00 min

Lab File: BN004638.D

Acq: 07 Mar 2019 15:55

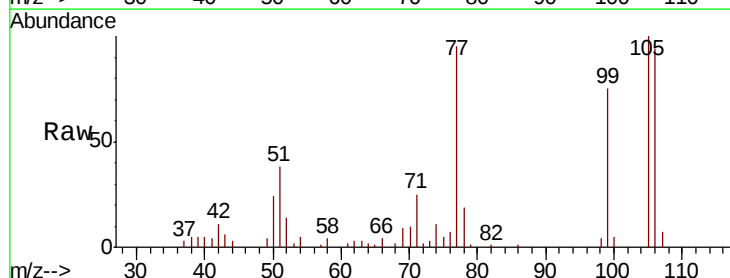
Tgt Ion: 77 Resp: 66490

Ion Ratio Lower Upper

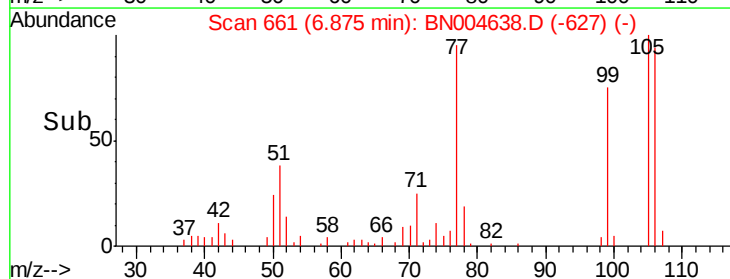
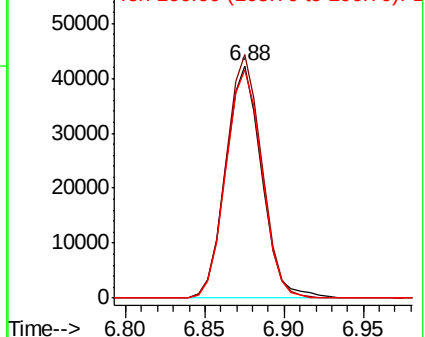
77 100

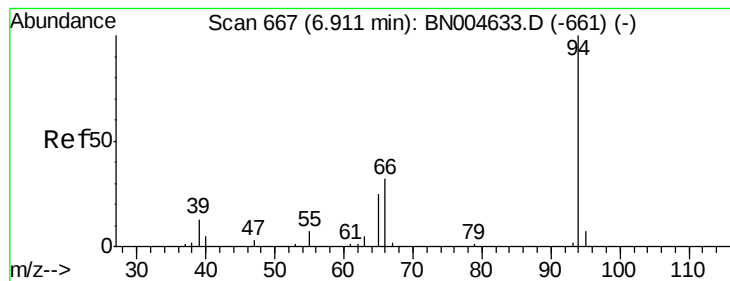
105 104.8 85.4 128.0

106 98.5 84.8 127.2



Abundance Ion 77.00 (76.70 to 77.70): BN0
Ion 105.00 (104.70 to 105.70): BN0
Ion 106.00 (105.70 to 106.70): BN0





#6

Phenol

Concen: 42.326 ng/ul

RT: 6.91 min Scan# 667

Delta R.T. -0.00 min

Lab File: BN004638.D

Acq: 07 Mar 2019 15:55

Instrument :

BNA_N

ClientSampleId :

DB637

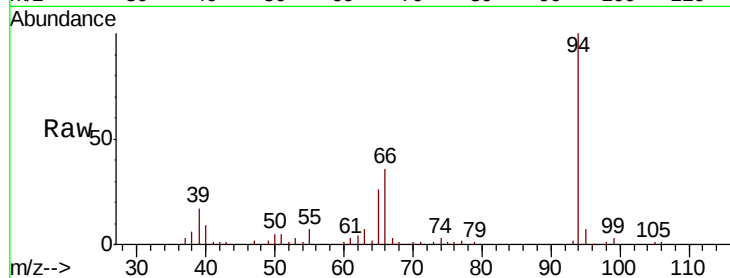
Tot Ion: 94 Resp: 108748

Ion Ratio Lower Upper

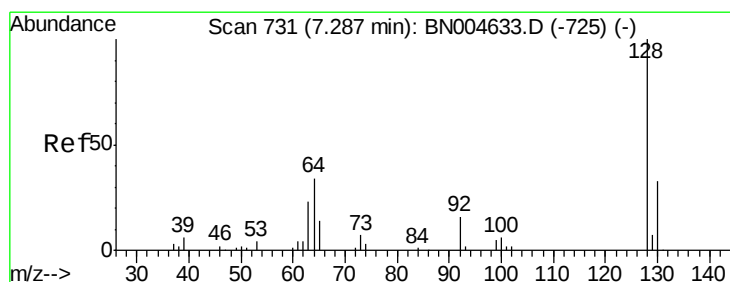
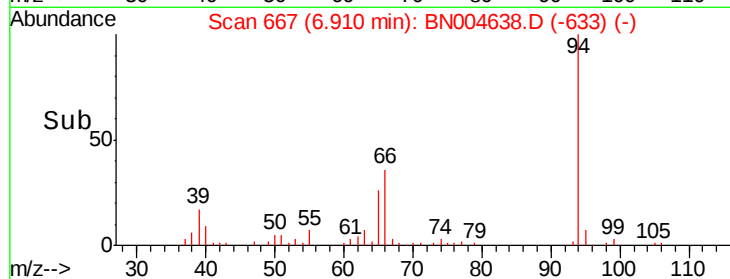
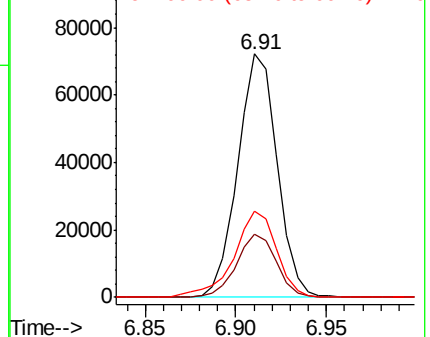
94 100

65 25.7 20.2 30.4

66 35.6 28.2 42.2



Abundance Ion 94.00 (93.70 to 94.70): BN0
Ion 65.00 (64.70 to 65.70): BN0
Ion 66.00 (65.70 to 66.70): BN0



#10

2-Chlorophenol

Concen: 28.130 ng/ul

RT: 7.28 min Scan# 730

Delta R.T. -0.01 min

Lab File: BN004638.D

Acq: 07 Mar 2019 15:55

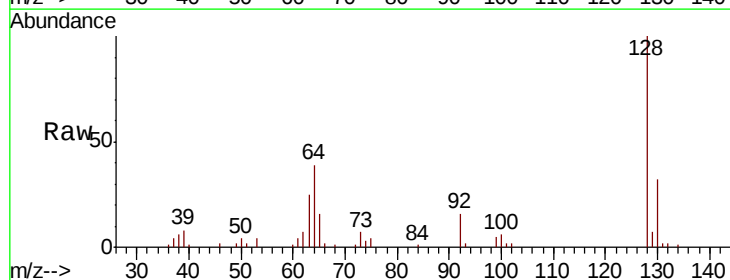
Tgt Ion:128 Resp: 62176

Ion Ratio Lower Upper

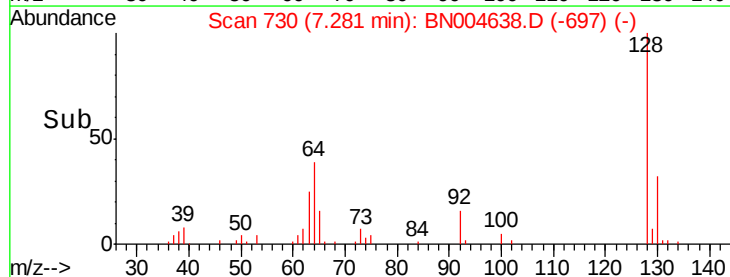
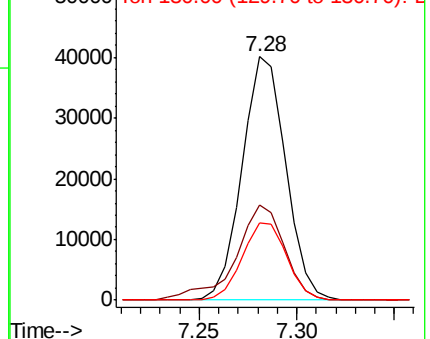
128 100

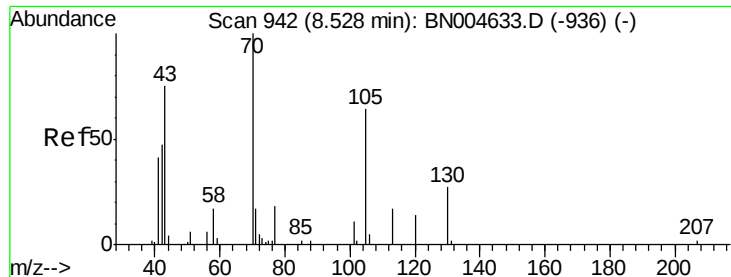
64 39.2 31.0 46.6

130 31.7 26.1 39.1



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 64.00 (63.70 to 64.70): BN0
Ion 130.00 (129.70 to 130.70): E





#15

N-Nitroso-di-n-propylamine

Concen: 31.730 ng/ul

RT: 8.52 min Scan# 941

Delta R.T. -0.01 min

Lab File: BN004638.D

Acq: 07 Mar 2019 15:55

Instrument :

BNA_N

ClientSampleId :

DB637

Tot Ion: 70 Resp: 49320

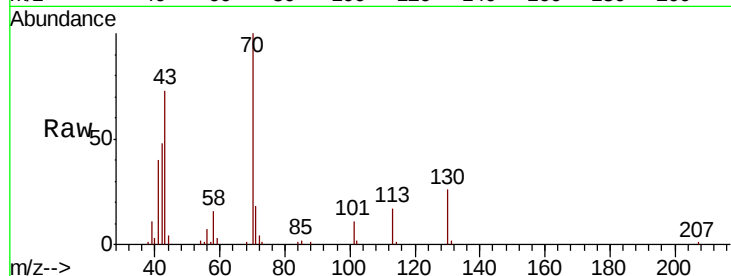
Ion Ratio Lower Upper

70 100

42 47.6 38.6 58.0

101 11.0 8.4 12.6

130 25.7 19.9 29.9

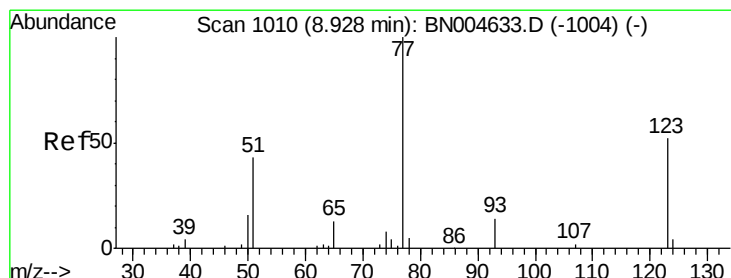
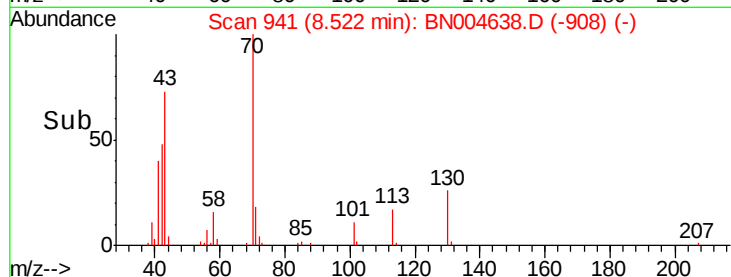
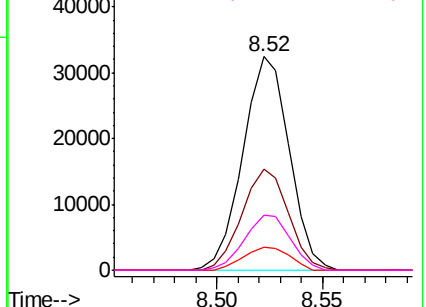


Abundance Ion 70.00 (69.70 to 70.70): BN004633.D (-936) (-)

Ion 42.00 (41.70 to 42.70): BN004633.D (-936) (-)

Ion 101.00 (100.70 to 101.70): BN004633.D (-936) (-)

Ion 130.00 (129.70 to 130.70): BN004633.D (-936) (-)



#20

Nitrobenzene

Concen: 25.270 ng/ul

RT: 8.92 min Scan# 1009

Delta R.T. -0.01 min

Lab File: BN004638.D

Acq: 07 Mar 2019 15:55

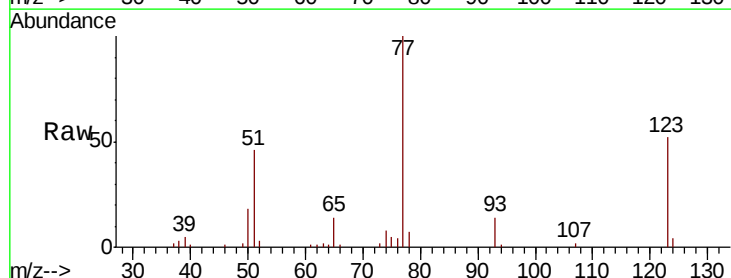
Tgt Ion: 77 Resp: 57427

Ion Ratio Lower Upper

77 100

123 52.2 41.6 62.4

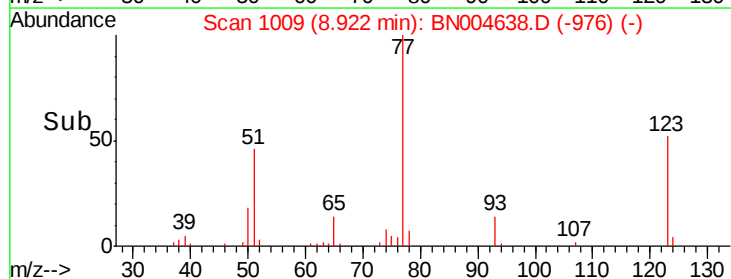
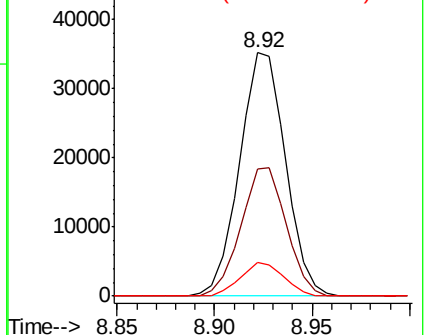
65 13.6 10.2 15.4

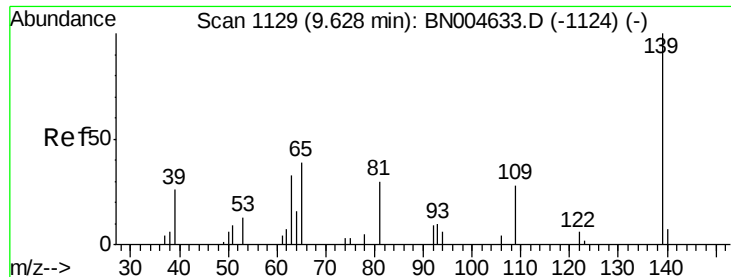


Abundance Ion 77.00 (76.70 to 77.70): BN004633.D (-1004) (-)

Ion 123.00 (122.70 to 123.70): BN004633.D (-1004) (-)

Ion 65.00 (64.70 to 65.70): BN004633.D (-1004) (-)





#23

2-Nitrophenol

Concen: 24.473 ng/ul

RT: 9.63 min Scan# 1129

Delta R.T. -0.00 min

Lab File: BN004638.D

Acq: 07 Mar 2019 15:55

Instrument :

BNA_N

ClientSampled :

DB637

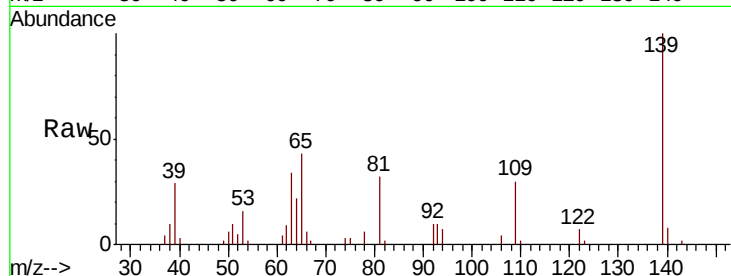
Tot Ion:139 Resp: 33262

Ion Ratio Lower Upper

139 100

65 43.0 32.7 49.1

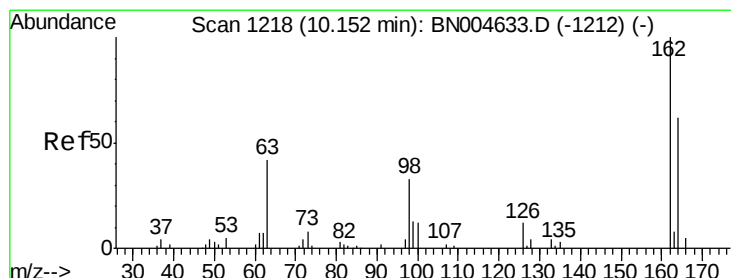
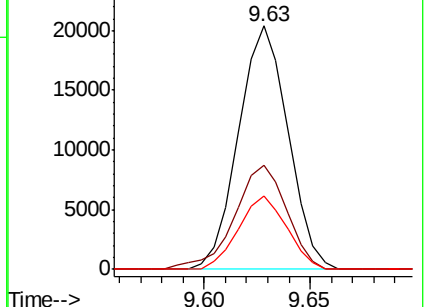
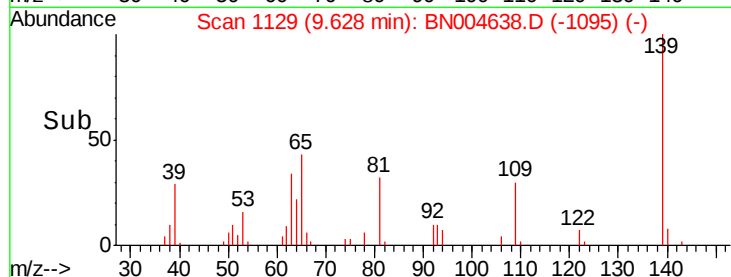
109 30.2 22.8 34.2



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 65.00 (64.70 to 65.70): BNO

Ion 109.00 (108.70 to 109.70): E



#27

2,4-Dichlorophenol

Concen: 29.323 ng/ul

RT: 10.15 min Scan# 1218

Delta R.T. -0.00 min

Lab File: BN004638.D

Acq: 07 Mar 2019 15:55

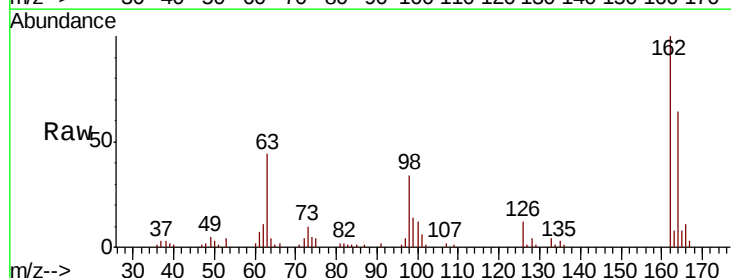
Tgt Ion:162 Resp: 69142

Ion Ratio Lower Upper

162 100

164 64.4 53.0 79.4

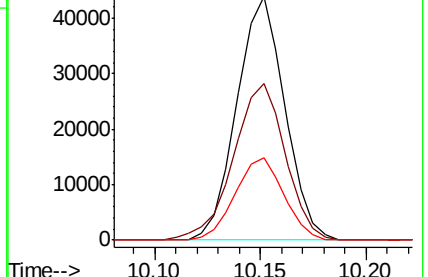
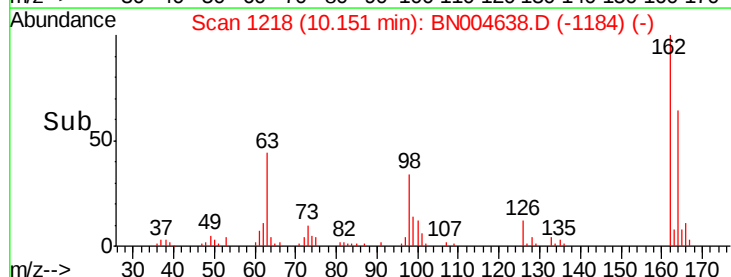
98 34.1 27.0 40.4

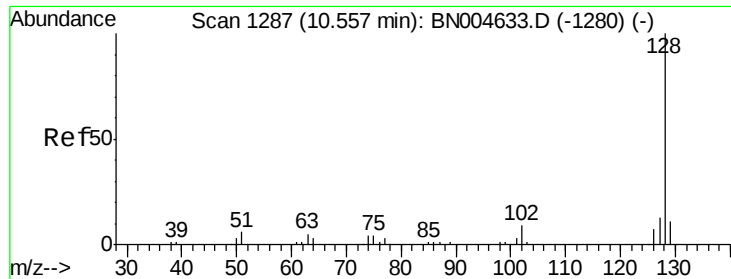


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BNO





#28

Naphthalene

Concen: 20.453 ng/ul

RT: 10.56 min Scan# 1287

Delta R.T. -0.00 min

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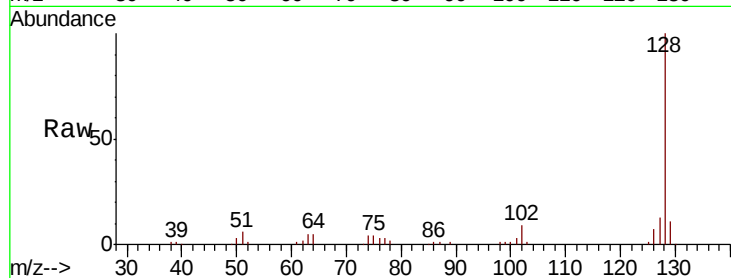
Tot Ion:128 Resp: 154728

Ion Ratio Lower Upper

128 100

129 10.8 8.7 13.1

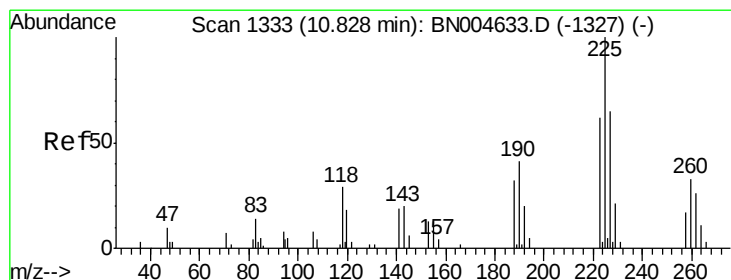
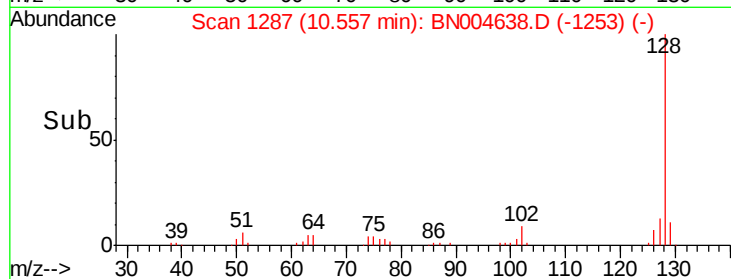
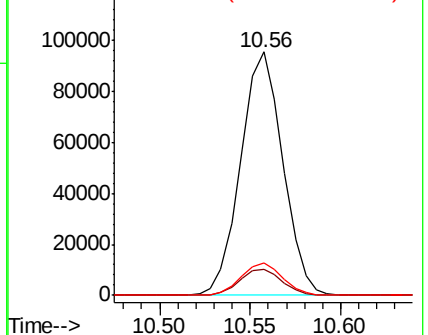
127 13.3 10.2 15.4



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



#31

Hexachlorobutadiene

Concen: 31.026 ng/ul

RT: 10.82 min Scan# 1332

Delta R.T. -0.01 min

Lab File: BN004638.D

Acq: 07 Mar 2019 15:55

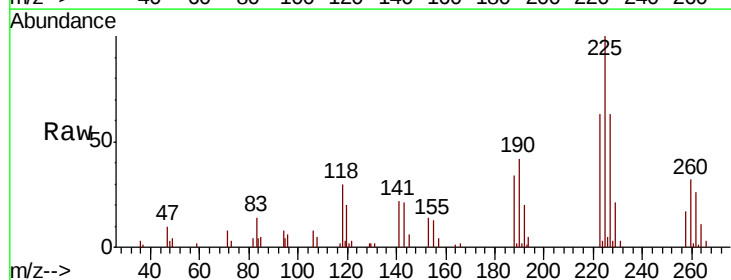
Tgt Ion:225 Resp: 48621

Ion Ratio Lower Upper

225 100

223 63.3 49.8 74.6

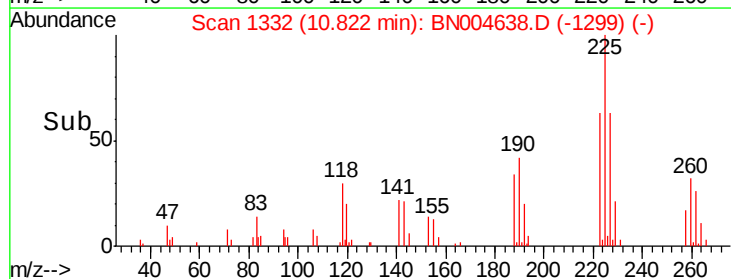
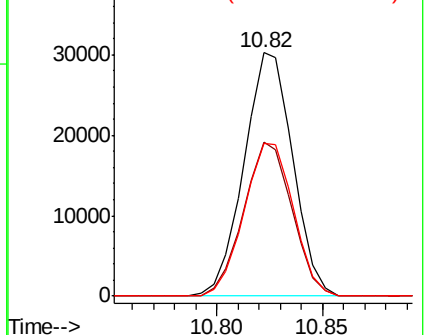
227 62.9 50.2 75.2

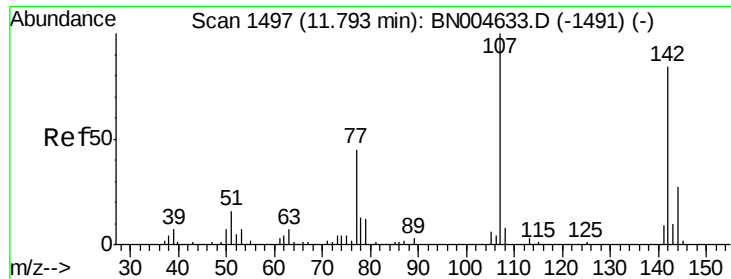


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

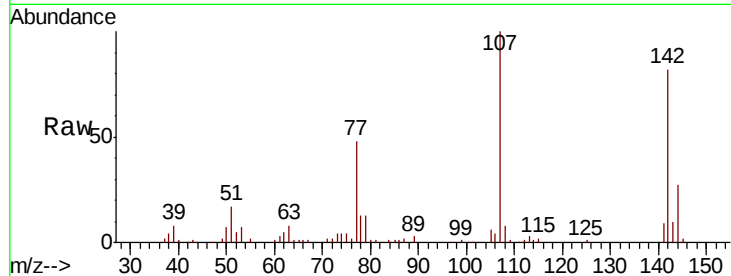




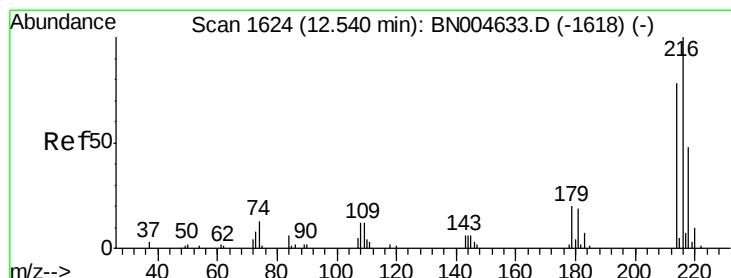
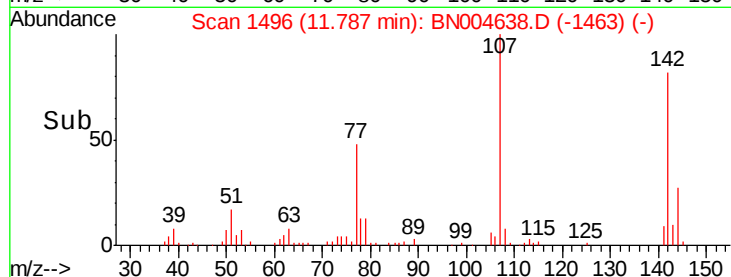
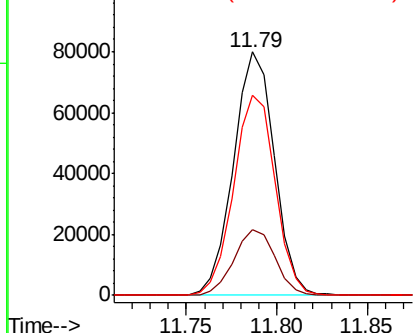
#33
 4-Chloro-3-methylphenol
 Concen: 49.667 ng/ul
 RT: 11.79 min Scan# 1496
 Delta R.T. -0.01 min
 Lab File: BN004638.D
 Acq: 07 Mar 2019 15:55

Instrument :
 BNA_N
 ClientSampled :
 DB637

Tot Ion:107 Resp: 125570
 Ion Ratio Lower Upper
 107 100
 144 26.9 22.2 33.4
 142 82.3 67.4 101.0



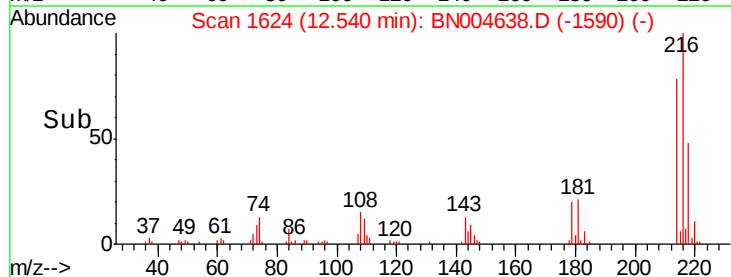
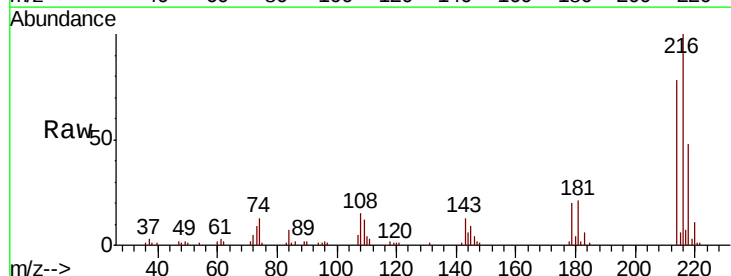
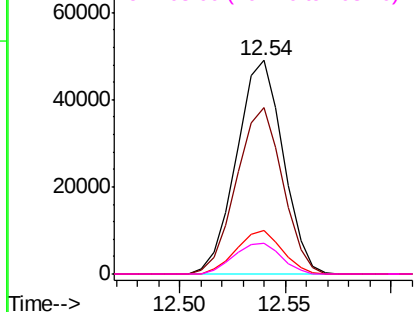
Abundance Ion 107.00 (106.70 to 107.70): E
 Ion 144.00 (143.70 to 144.70): E
 Ion 142.00 (141.70 to 142.70): E

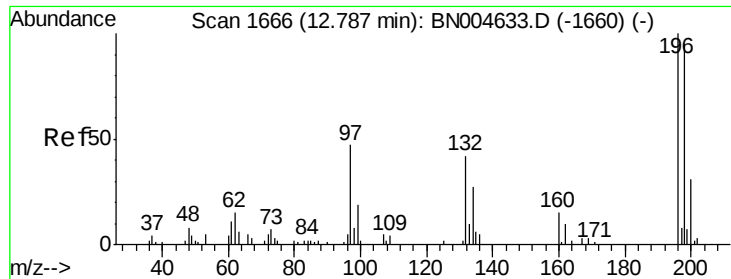


#37
 1,2,4,5-Tetrachlorobenzene
 Concen: 23.017 ng/ul
 RT: 12.54 min Scan# 1624
 Delta R.T. -0.00 min
 Lab File: BN004638.D
 Acq: 07 Mar 2019 15:55

Tgt Ion:216 Resp: 75011
 Ion Ratio Lower Upper
 216 100
 214 77.8 60.9 91.3
 179 20.5 16.2 24.4
 108 14.7 11.5 17.3

Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E

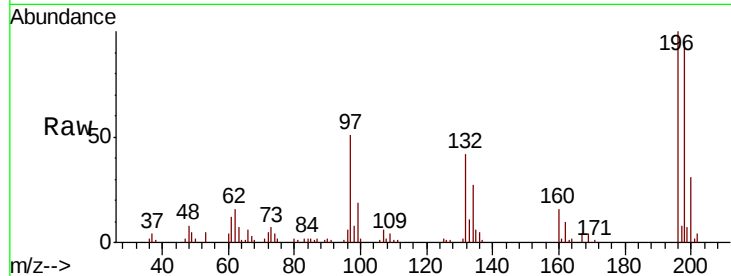




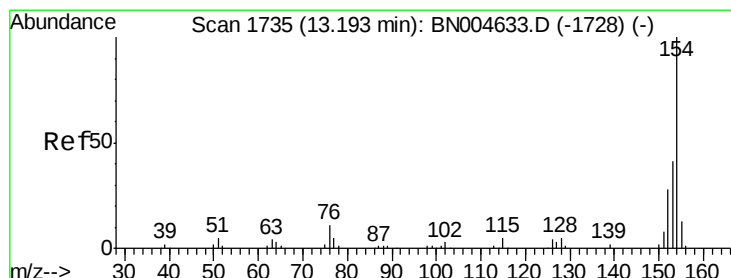
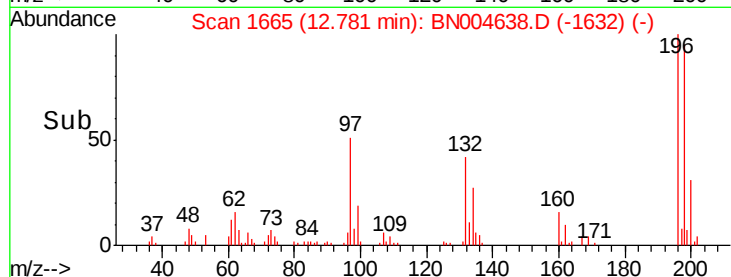
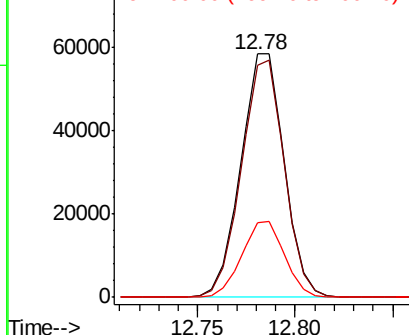
#39
 2,4,6-Trichlorophenol
 Concen: 42.752 ng/ul
 RT: 12.78 min Scan# 1665
 Delta R.T. -0.01 min
 Lab File: BN004638.D
 Acq: 07 Mar 2019 15:55

Instrument :
 BNA_N
 ClientSampled :
 DB637

Tot Ion:196 Resp: 89747
 Ion Ratio Lower Upper
 196 100
 198 95.4 76.6 115.0
 200 30.8 24.5 36.7

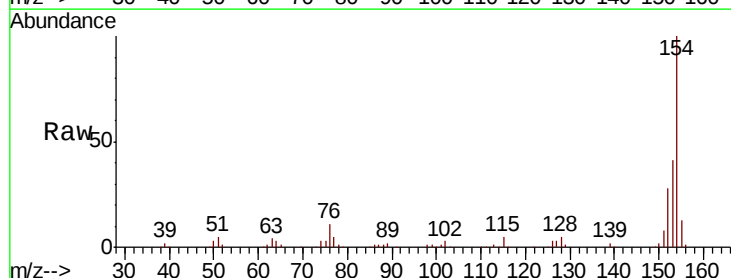


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

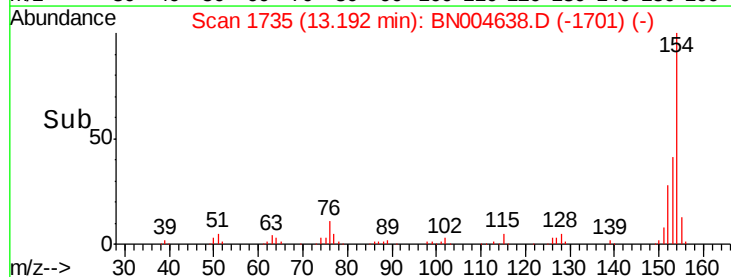
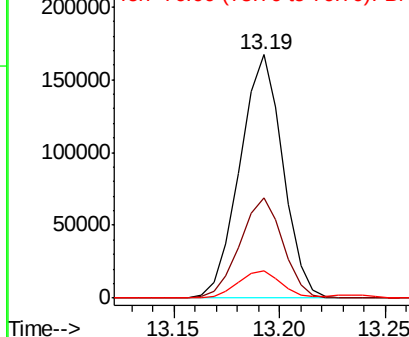


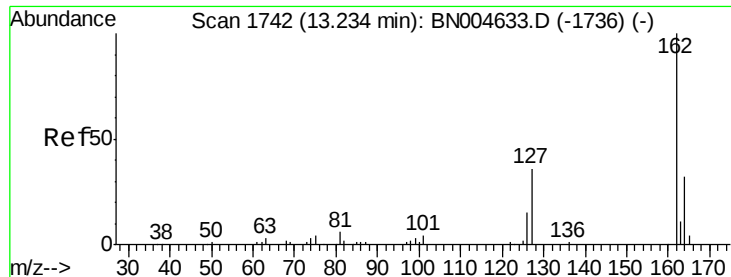
#41
 1,1'-Biphenyl
 Concen: 30.238 ng/ul
 RT: 13.19 min Scan# 1735
 Delta R.T. -0.00 min
 Lab File: BN004638.D
 Acq: 07 Mar 2019 15:55

Tgt Ion:154 Resp: 235757
 Ion Ratio Lower Upper
 154 100
 153 41.0 32.6 48.8
 76 11.0 9.2 13.8



Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BNC

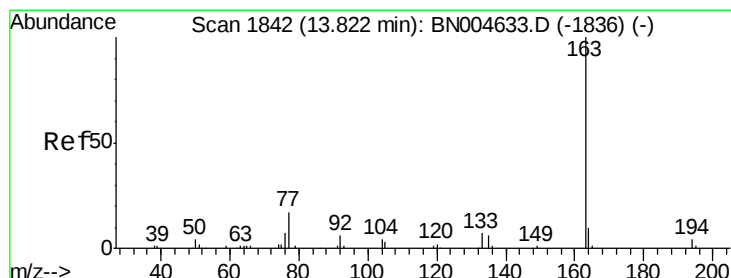
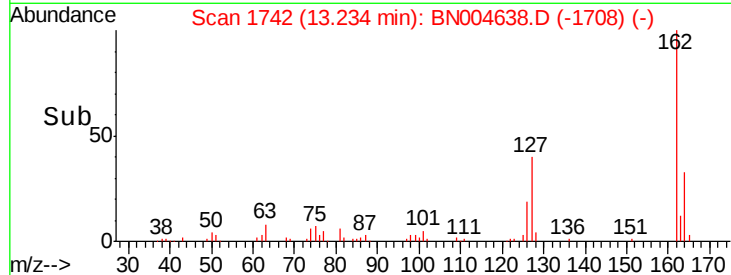
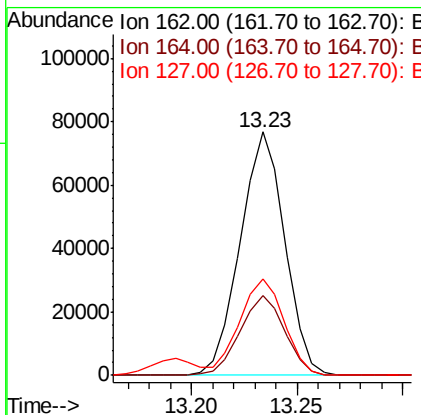
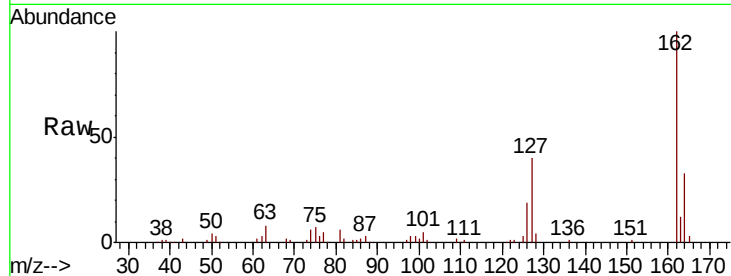




#42
 2-Chloronaphthalene
 Concen: 18.992 ng/ul
 RT: 13.23 min Scan# 1742
 Delta R.T. -0.00 min
 Lab File: BN004638.D
 Acq: 07 Mar 2019 15:55

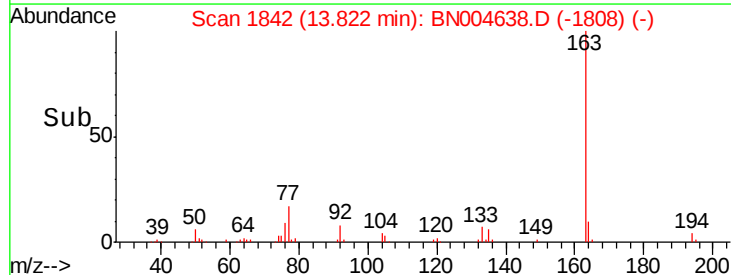
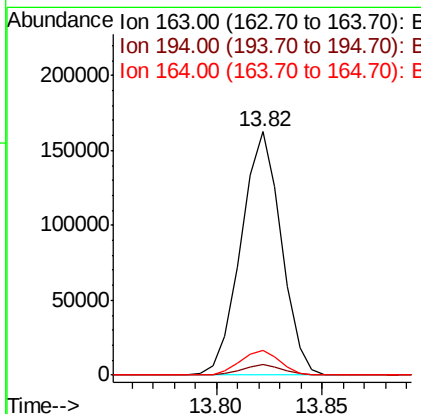
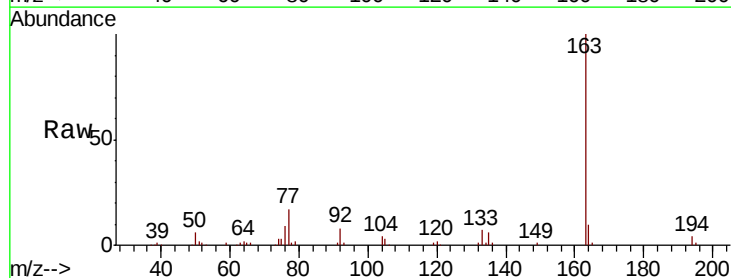
Instrument :
 BNA_N
 ClientSampled :
 DB637

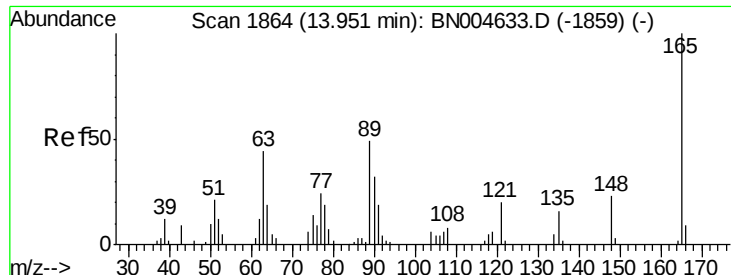
Tot Ion:162 Resp: 112587
 Ion Ratio Lower Upper
 162 100
 164 32.7 26.4 39.6
 127 39.5 31.8 47.6



#45
 Dimethylphthalate
 Concen: 27.319 ng/ul
 RT: 13.82 min Scan# 1842
 Delta R.T. -0.00 min
 Lab File: BN004638.D
 Acq: 07 Mar 2019 15:55

Tgt Ion:163 Resp: 214793
 Ion Ratio Lower Upper
 163 100
 194 4.3 3.4 5.2
 164 10.3 7.9 11.9

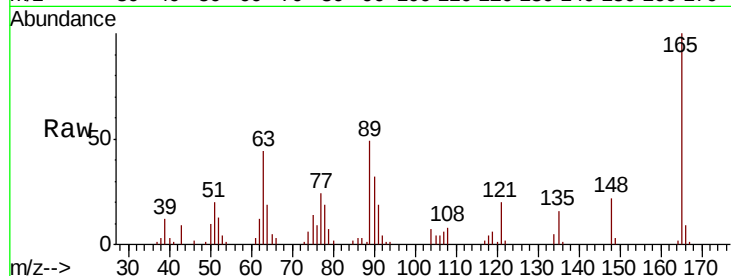




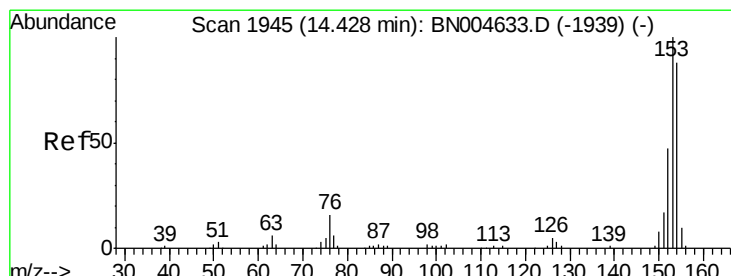
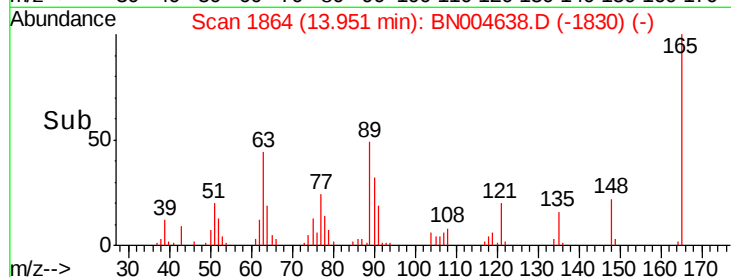
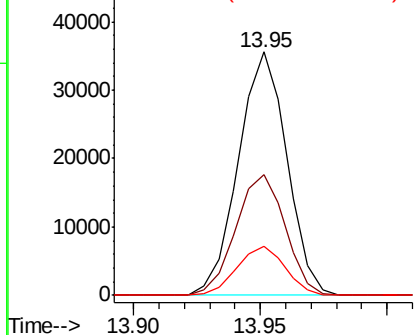
#46
 2,6-Dinitrotoluene
 Concen: 29.809 ng/ul
 RT: 13.95 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: BN004638.D
 Acq: 07 Mar 2019 15:55

Instrument :
 BNA_N
 ClientSampleID :
 DB637

Tot Ion:165 Resp: 47455
 Ion Ratio Lower Upper
 165 100
 89 49.4 42.0 63.0
 121 19.9 17.0 25.6

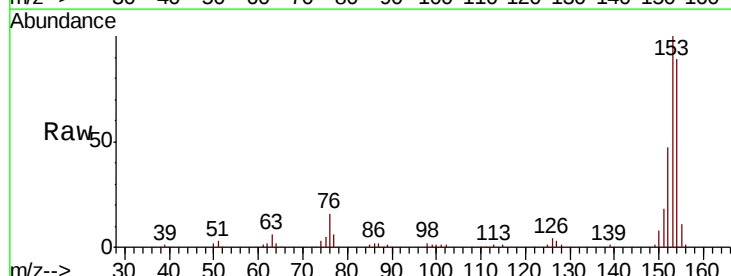


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 89.00 (88.70 to 89.70): BNO
 Ion 121.00 (120.70 to 121.70): E

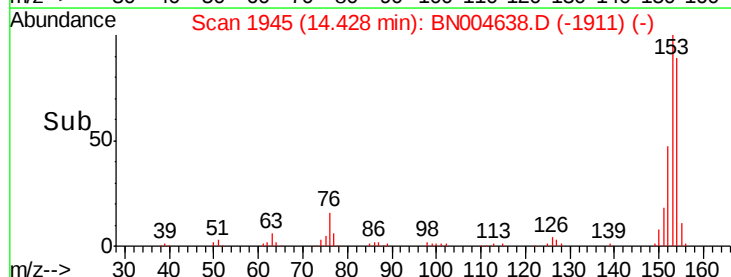
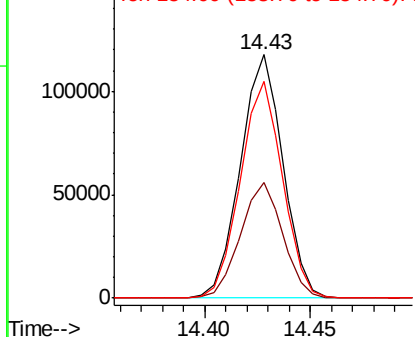


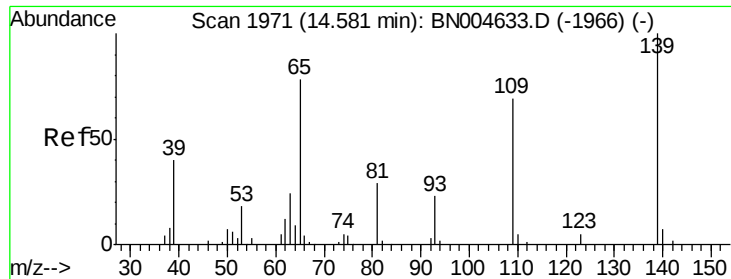
#50
 Acenaphthene
 Concen: 25.521 ng/ul
 RT: 14.43 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: BN004638.D
 Acq: 07 Mar 2019 15:55

Tgt Ion:153 Resp: 164436
 Ion Ratio Lower Upper
 153 100
 152 47.2 37.8 56.6
 154 89.2 70.0 105.0



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

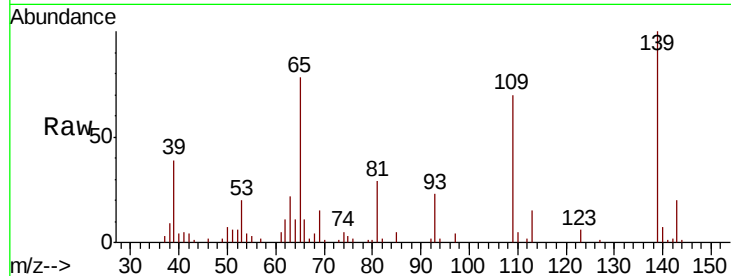




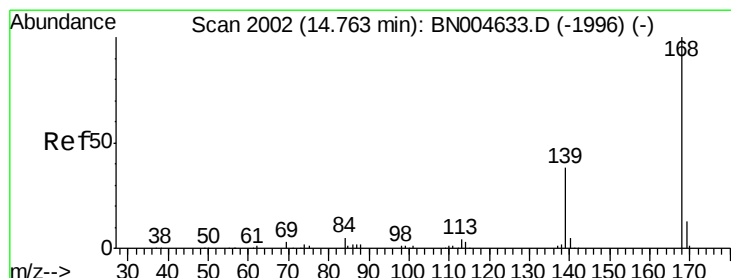
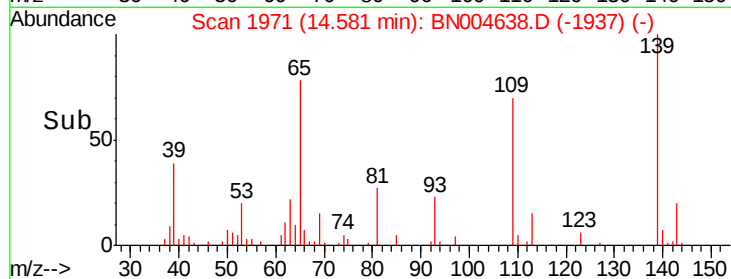
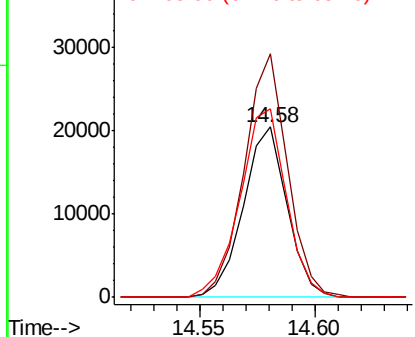
#53
4-Nitrophenol
Concen: 25.067 ng/ul
RT: 14.58 min Scan# 1971
Delta R.T. -0.00 min
Lab File: BN004638.D
Acq: 07 Mar 2019 15:55

Instrument :
BNA_N
ClientSampleId :
DB637

Tot Ion:109 Resp: 27088
Ion Ratio Lower Upper
109 100
139 143.2 112.1 168.1
65 111.1 90.3 135.5

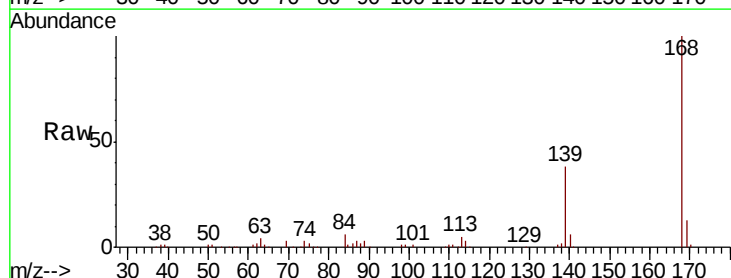


Abundance Ion 109.00 (108.70 to 109.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 65.00 (64.70 to 65.70): BNO

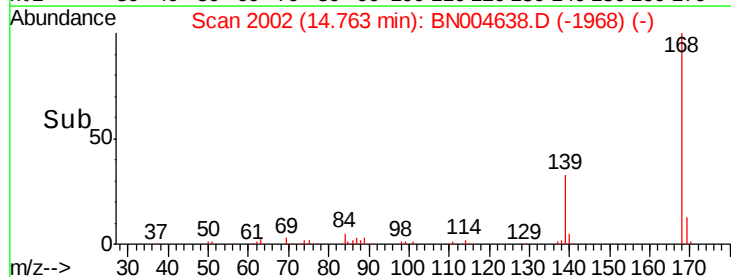
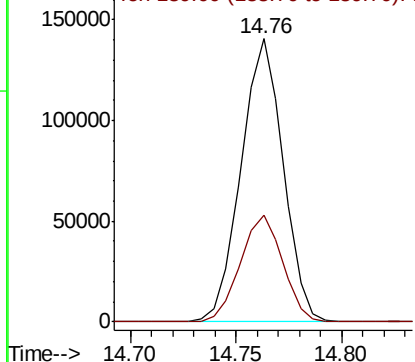


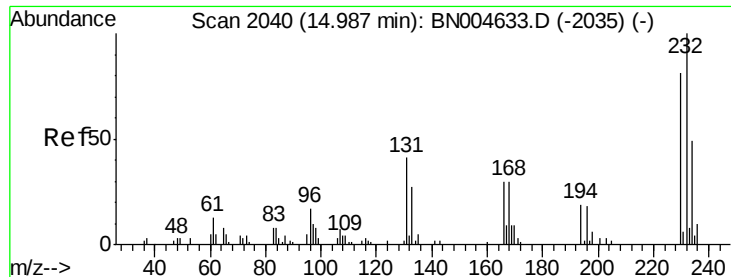
#54
Dibenzofuran
Concen: 21.040 ng/ul
RT: 14.76 min Scan# 2002
Delta R.T. -0.00 min
Lab File: BN004638.D
Acq: 07 Mar 2019 15:55

Tgt Ion:168 Resp: 194723
Ion Ratio Lower Upper
168 100
139 37.8 29.8 44.6



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E

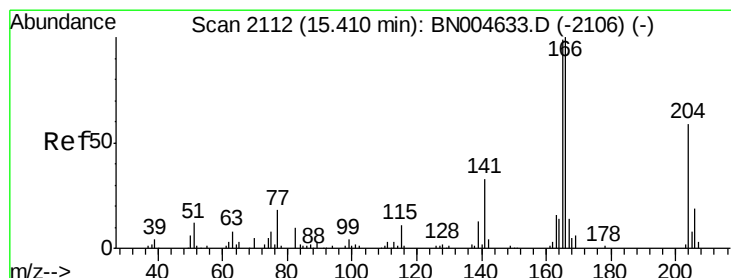
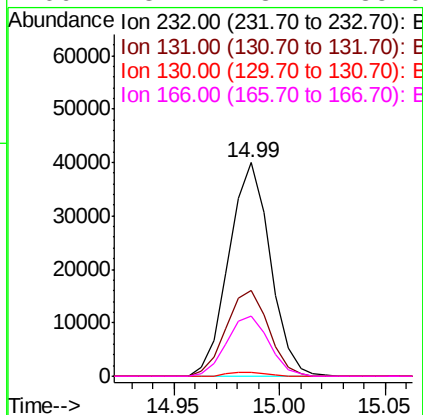
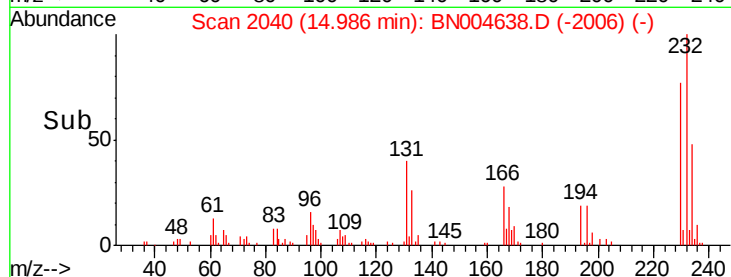
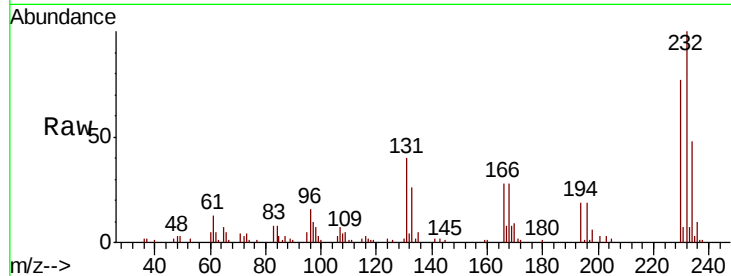




#56
 2,3,4,6-Tetrachlorophenol
 Concen: 25.597 ng/ul
 RT: 14.99 min Scan# 2040
 Delta R.T. -0.00 min
 Lab File: BN004638.D
 Acq: 07 Mar 2019 15:55

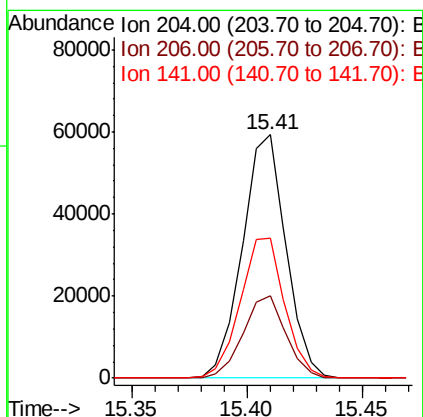
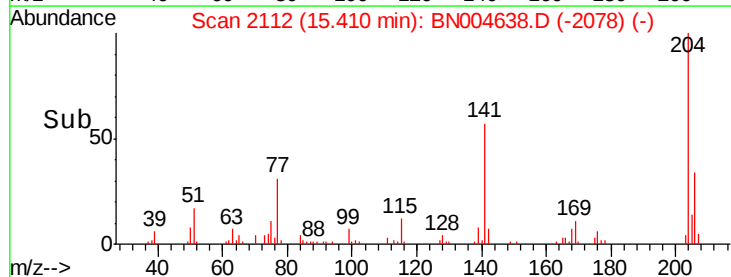
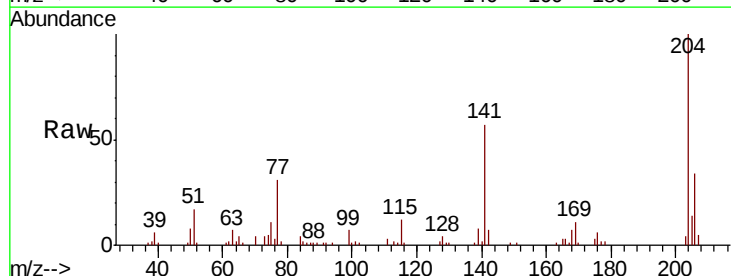
Instrument :
 BNA_N
 ClientSampleId :
 DB637

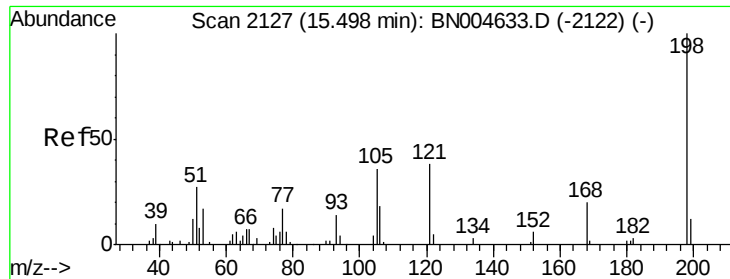
Tot Ion:	232	Resp:	54440
Ion	Ratio	Lower	Upper
232	100		
131	40.5	33.4	50.0
130	2.0	1.8	2.8
166	28.2	23.4	35.0



#60
 4-Chlorophenyl-phenylether
 Concen: 19.828 ng/ul
 RT: 15.41 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: BN004638.D
 Acq: 07 Mar 2019 15:55

Tgt Ion:	204	Resp:	78170
Ion	Ratio	Lower	Upper
204	100		
206	33.8	26.5	39.7
141	57.4	44.8	67.2

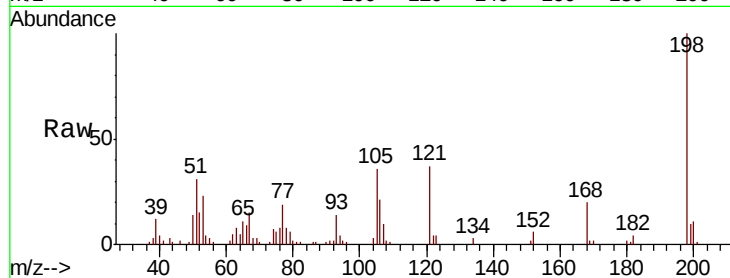




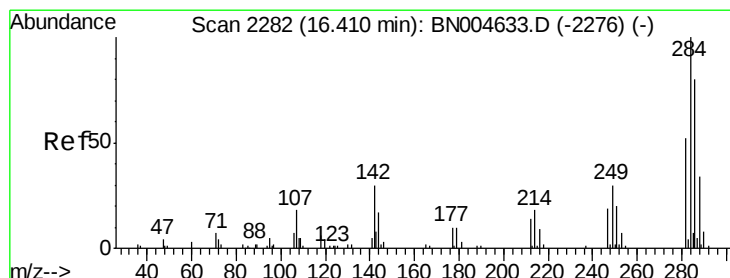
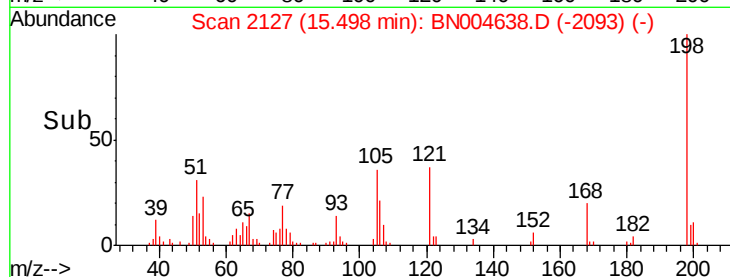
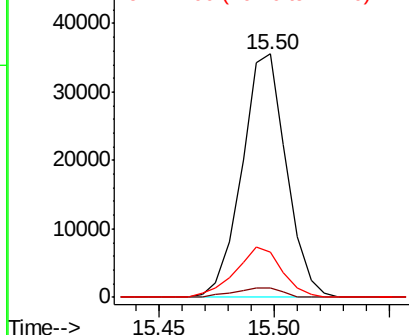
#64
 4,6-Dinitro-2-methylphenol
 Concen: 29.400 ng/ul
 RT: 15.50 min Scan# 2127
 Delta R.T. -0.00 min
 Lab File: BN004638.D
 Acq: 07 Mar 2019 15:55

Instrument :
 BNA_N
 ClientSampleId :
 DB637

Tot Ion	Ratio	Lower	Upper
198	100		
182	3.6	3.3	4.9
77	18.7	16.2	24.4

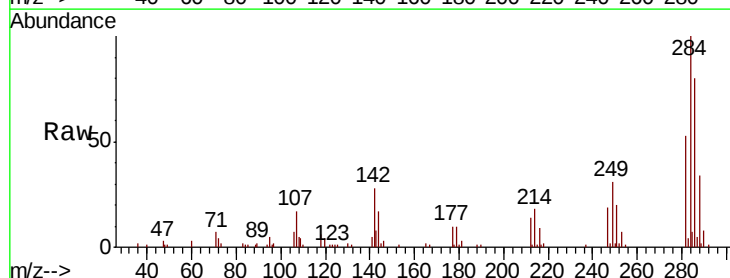


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 77.00 (76.70 to 77.70): BNC

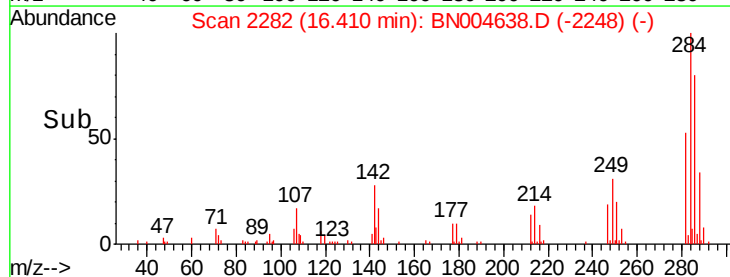
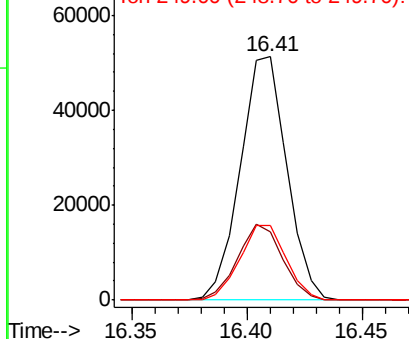


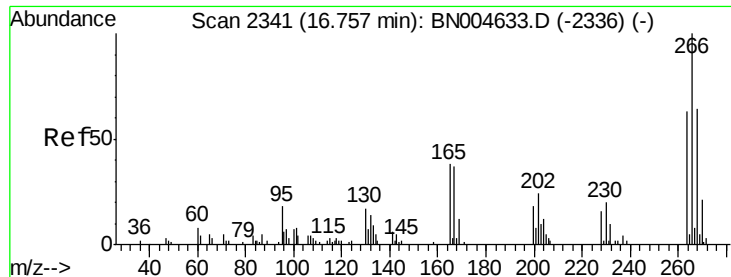
#67
 Hexachlorobenzene
 Concen: 23.112 ng/ul
 RT: 16.41 min Scan# 2282
 Delta R.T. -0.00 min
 Lab File: BN004638.D
 Acq: 07 Mar 2019 15:55

Tgt Ion	Ratio	Lower	Upper
284	100		
142	28.2	24.5	36.7
249	30.8	25.0	37.6



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

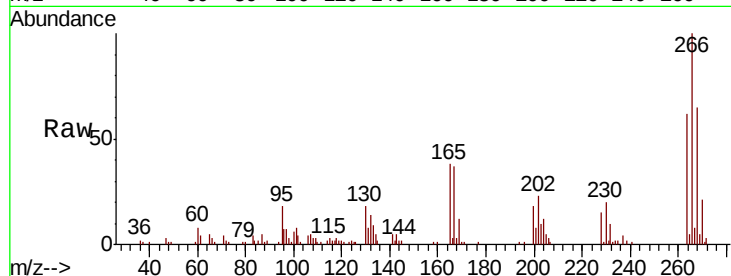




#69
 Pentachlorophenol
 Concen: 40.929 ng/ul
 RT: 16.76 min Scan# 2341
 Delta R.T. -0.00 min
 Lab File: BN004638.D
 Acq: 07 Mar 2019 15:55

Instrument :
 BNA_N
 ClientSampleId :
 DB637

Tot Ion	Ratio	Lower	Upper
266	100		
264	62.0	50.3	75.5
268	65.0	49.6	74.4

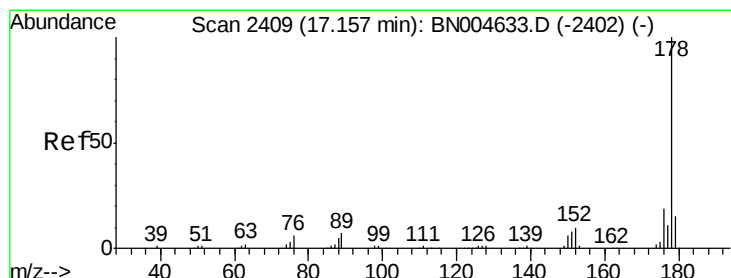
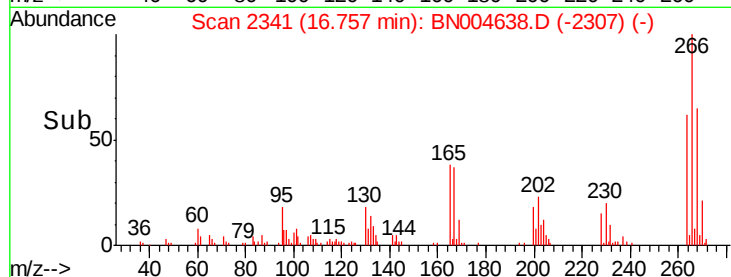
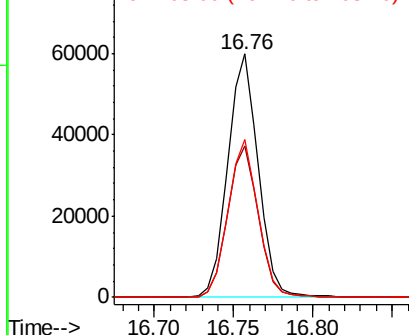


Abundance

Ion 265.70 (265.40 to 266.40): E

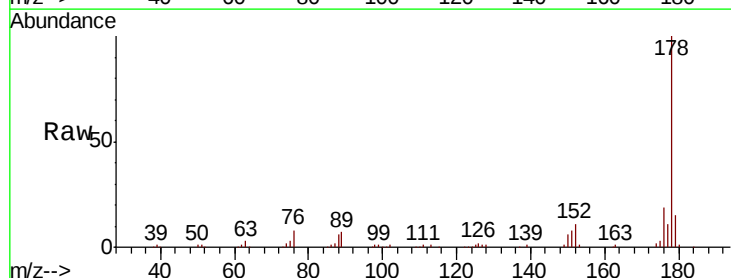
Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E



#70
 Phenanthrene
 Concen: 21.132 ng/ul
 RT: 17.15 min Scan# 2408
 Delta R.T. -0.01 min
 Lab File: BN004638.D
 Acq: 07 Mar 2019 15:55

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.3	18.5
176	19.1	15.4	23.0

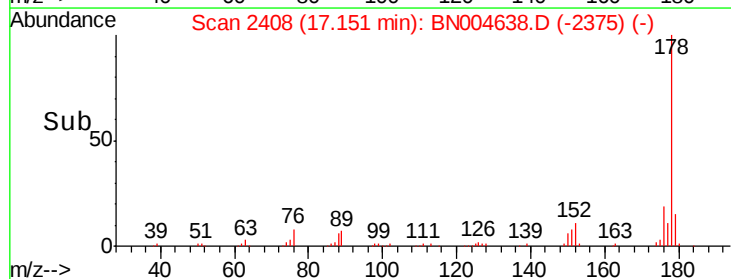
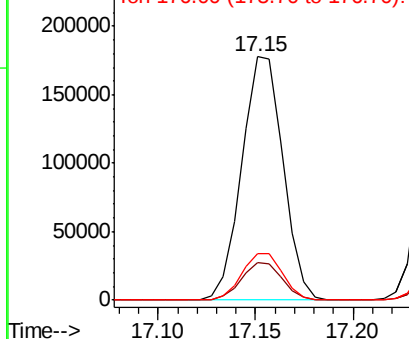


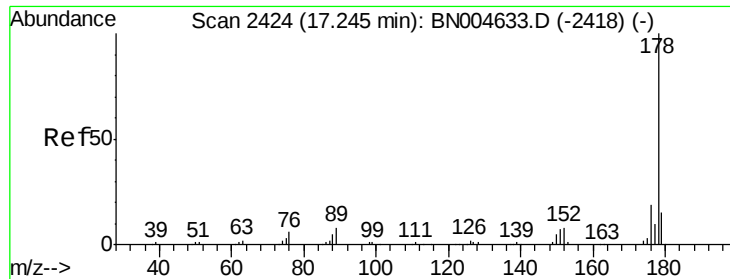
Abundance

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

Anthracene

Concen: 24.612 ng/ul

RT: 17.25 min Scan# 2424

Delta R.T. -0.00 min

Lab File: BN004638.D

Acq: 07 Mar 2019 15:55

Instrument :

BNA_N

ClientSampleId :

DB637

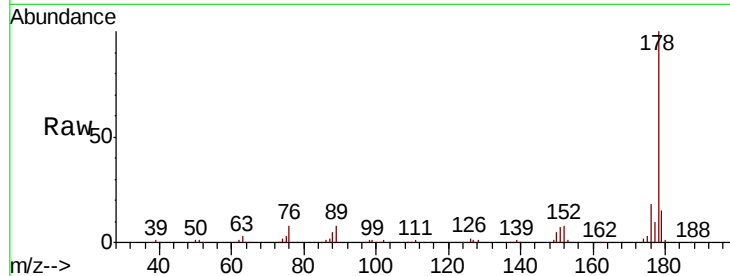
Tot Ion:178 Resp: 310511

Ion Ratio Lower Upper

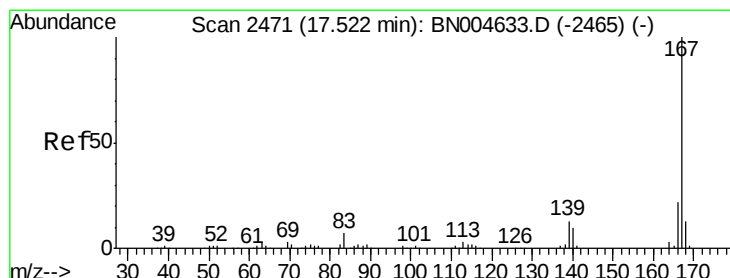
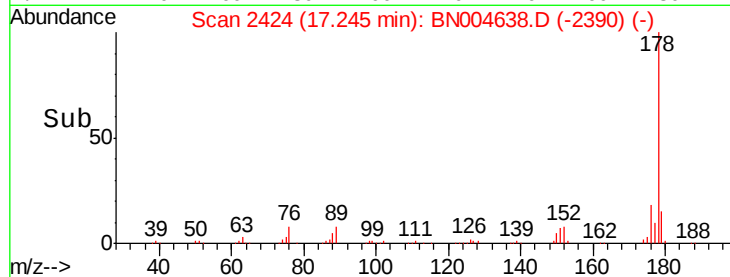
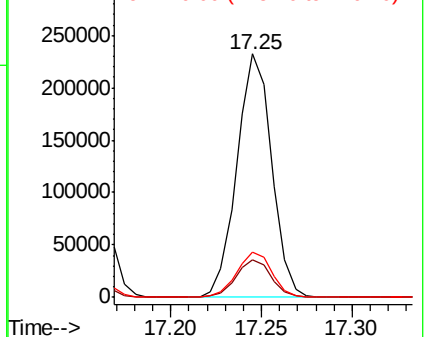
178 100

179 15.3 12.2 18.4

176 18.4 14.9 22.3



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



#75

Carbazole

Concen: 25.385 ng/ul

RT: 17.52 min Scan# 2471

Delta R.T. -0.00 min

Lab File: BN004638.D

Acq: 07 Mar 2019 15:55

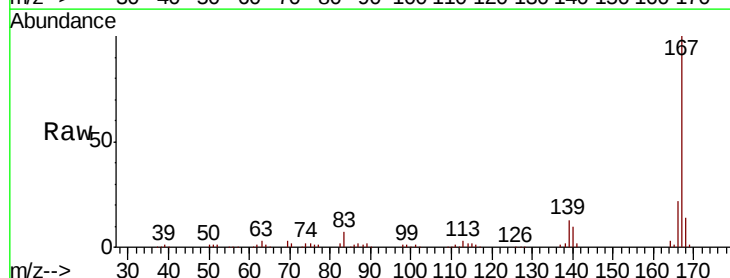
Tgt Ion:167 Resp: 278136

Ion Ratio Lower Upper

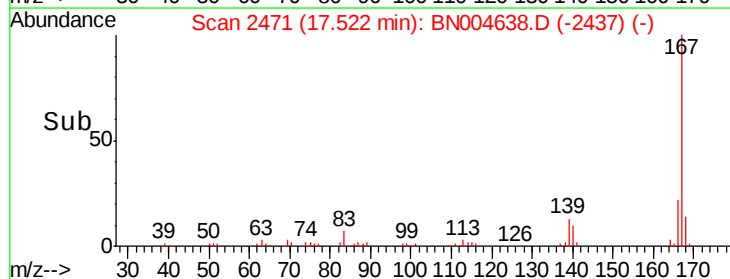
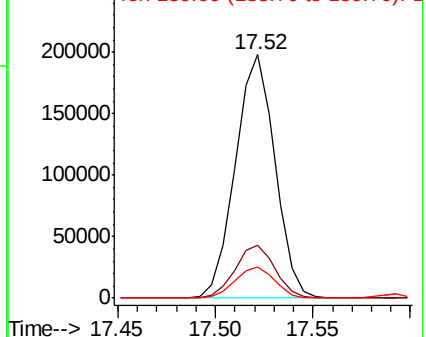
167 100

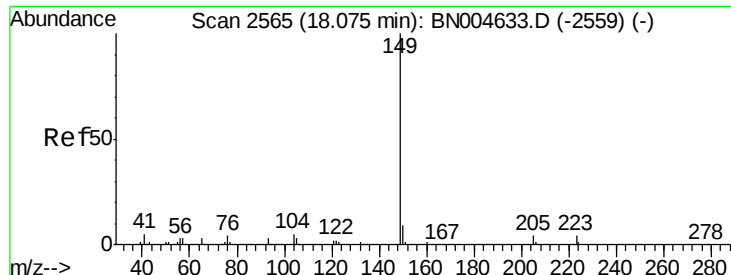
166 21.7 17.5 26.3

139 12.9 10.4 15.6



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

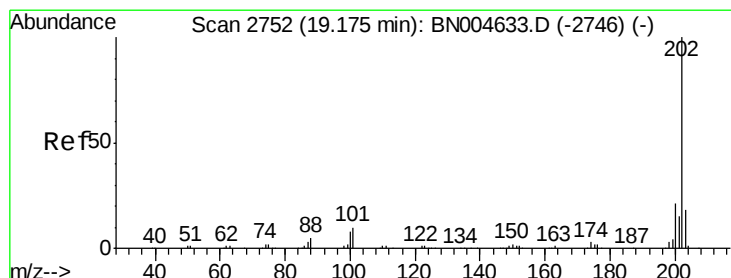
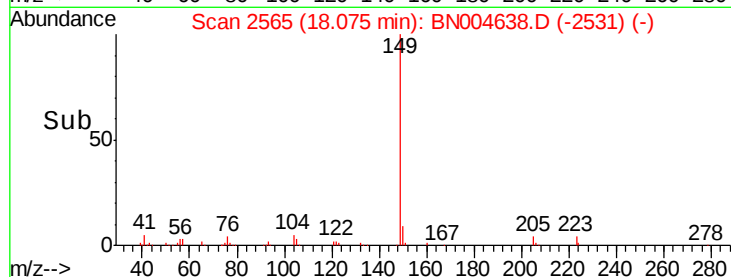
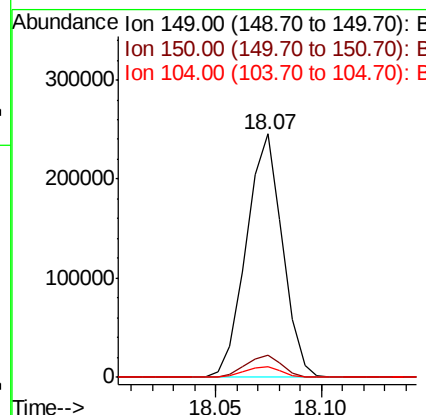
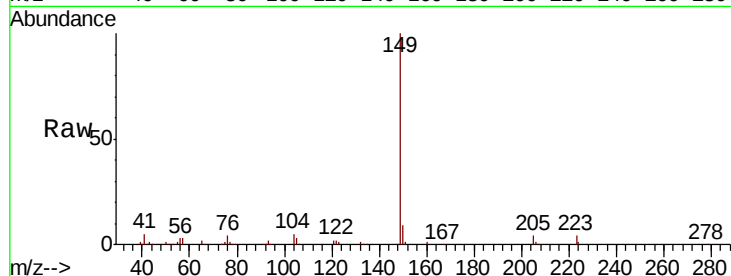




#76
Di-n-butylphthalate
Concen: 21.455 ng/ul
RT: 18.07 min Scan# 2565
Delta R.T. -0.00 min
Lab File: BN004638.D
Acq: 07 Mar 2019 15:55

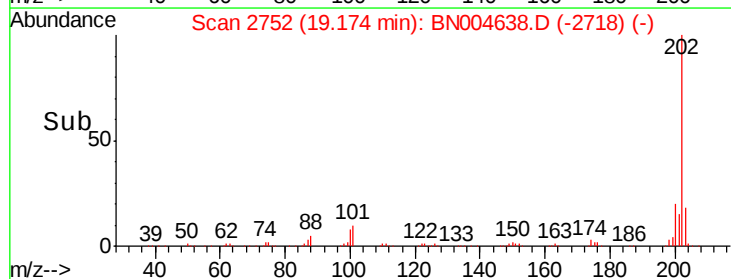
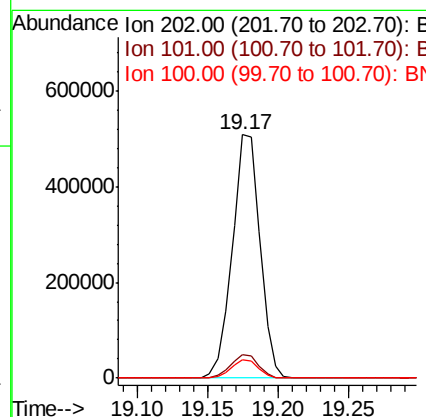
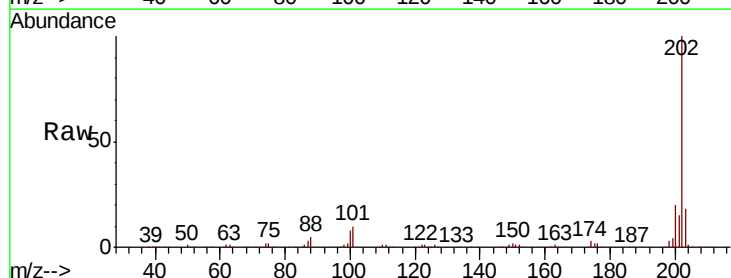
Instrument :
BNA_N
ClientSampleId :
DB637

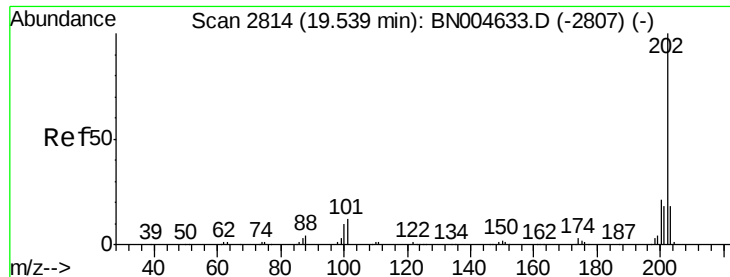
Tot Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.4	11.0
104	4.6	3.7	5.5



#77
Fluoranthene
Concen: 48.792 ng/ul
RT: 19.17 min Scan# 2752
Delta R.T. -0.00 min
Lab File: BN004638.D
Acq: 07 Mar 2019 15:55

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.9	8.2	12.4
100	7.5	6.6	9.8

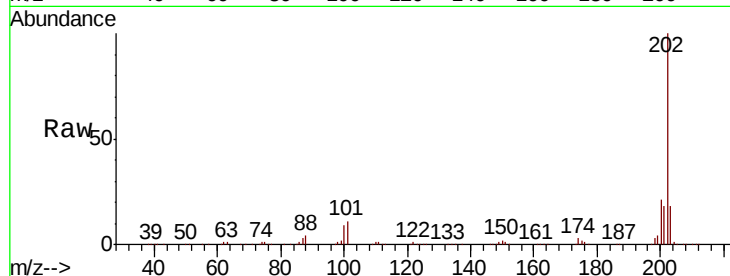




#80
Pvrene
Concen: 32.340 ng/ul
RT: 19.55 min Scan# 2815
Delta R.T. 0.01 min
Lab File: BN004638.D
Acq: 07 Mar 2019 15:55

Instrument :
BNA_N
ClientSampleId :
DB637

Tot Ion	Ratio	Lower	Upper
202	100		
101	11.4	9.2	13.8
100	9.3	7.5	11.3

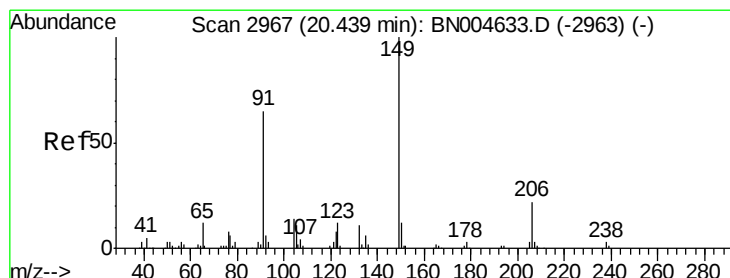
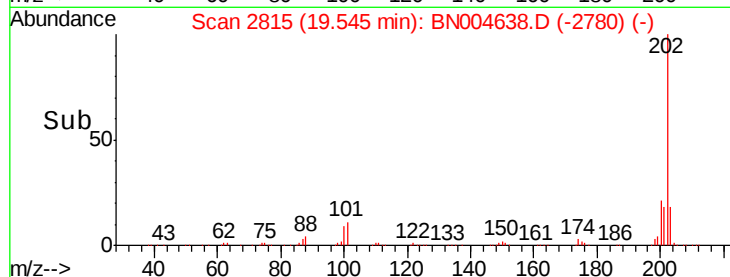
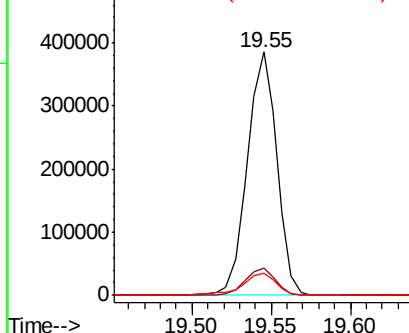


Abundance

Ion 202.00 (201.70 to 202.70): E

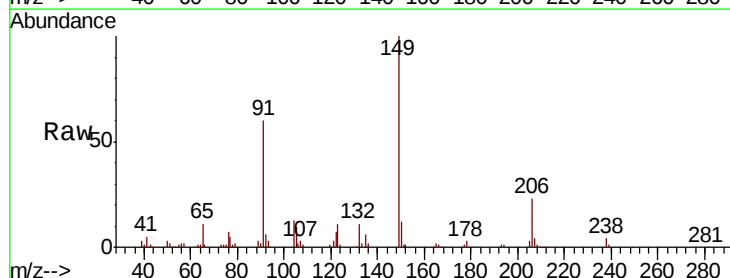
Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#81
Butylbenzylphthalate
Concen: 20.659 ng/ul
RT: 20.44 min Scan# 2968
Delta R.T. 0.01 min
Lab File: BN004638.D
Acq: 07 Mar 2019 15:55

Tgt Ion	Ratio	Lower	Upper
149	100		
91	60.0	49.8	74.6
206	22.8	18.2	27.2

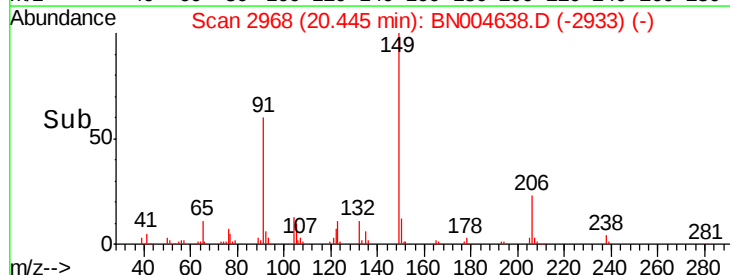
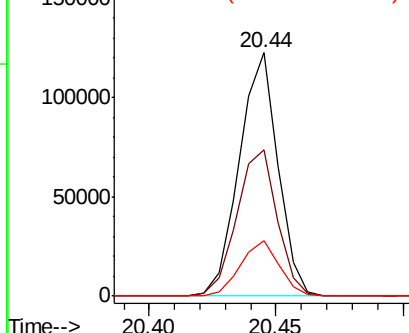


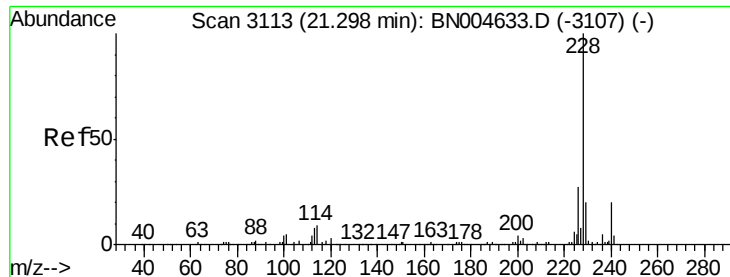
Abundance

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

Benzo(a)anthracene

Concen: 39.710 ng/ul

RT: 21.30 min Scan# 3113

Delta R.T. -0.00 min

Lab File: BN004638.D

Acq: 07 Mar 2019 15:55

Instrument :

BNA_N

ClientSampleId :

DB637

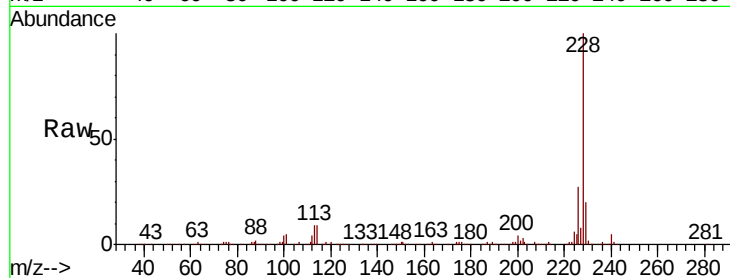
Tot Ion:228 Resp: 635182

Ion Ratio Lower Upper

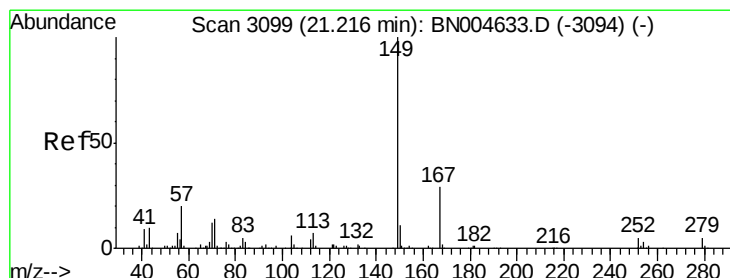
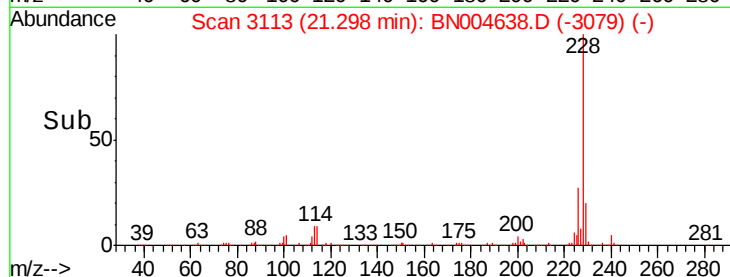
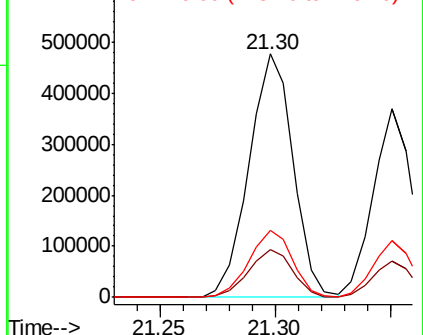
228 100

229 19.8 15.4 23.2

226 27.4 21.4 32.2



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



#84

Bis(2-ethylhexyl)phthalate

Concen: 26.030 ng/ul

RT: 21.22 min Scan# 3099

Delta R.T. -0.00 min

Lab File: BN004638.D

Acq: 07 Mar 2019 15:55

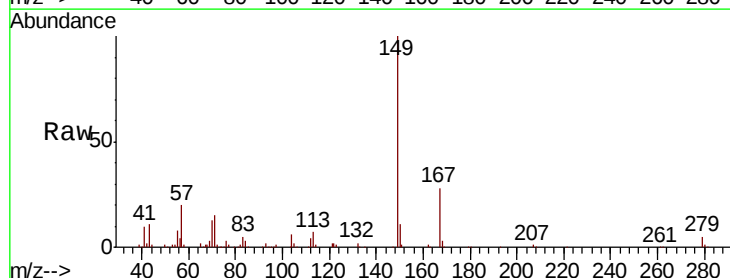
Tgt Ion:149 Resp: 239412

Ion Ratio Lower Upper

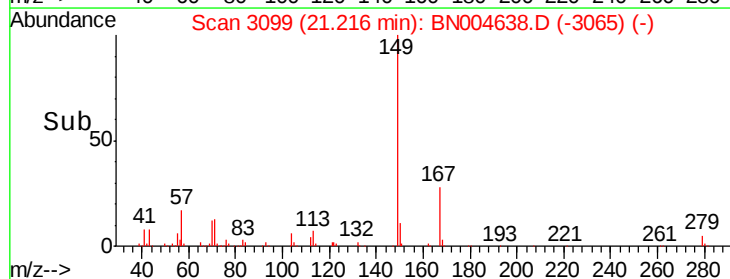
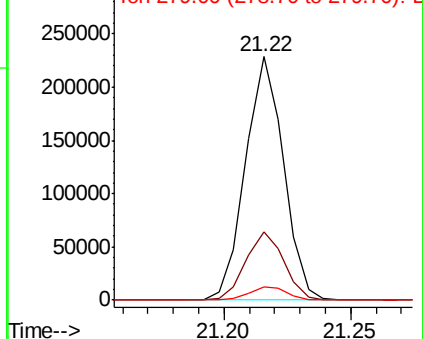
149 100

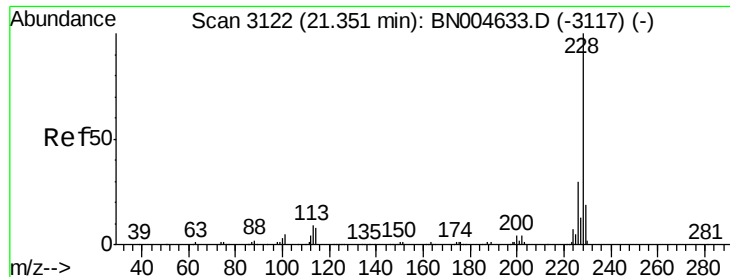
167 28.2 22.7 34.1

279 5.4 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





#85

Chrysene

Concen: 29.099 ng/ul

RT: 21.35 min Scan# 3122

Delta R.T. -0.00 min

Lab File: BN004638.D

Acq: 07 Mar 2019 15:55

Instrument :

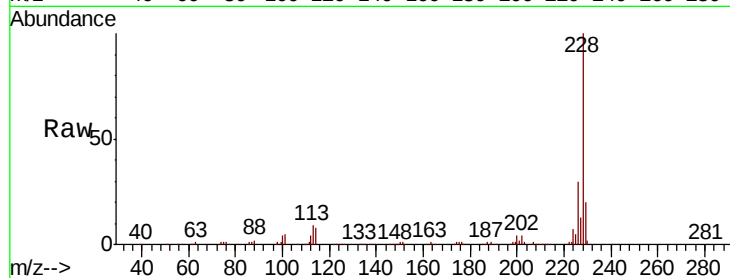
BNA_N

ClientSampleId :

DB637

Tot Ion:228 Resp: 432218

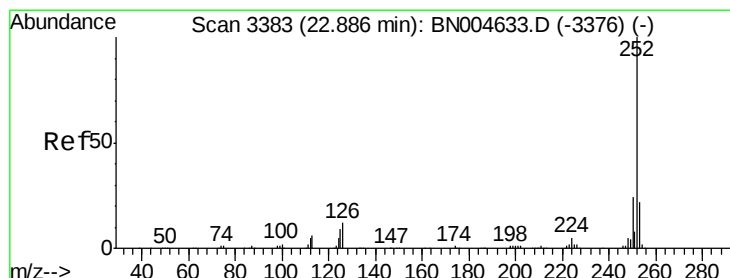
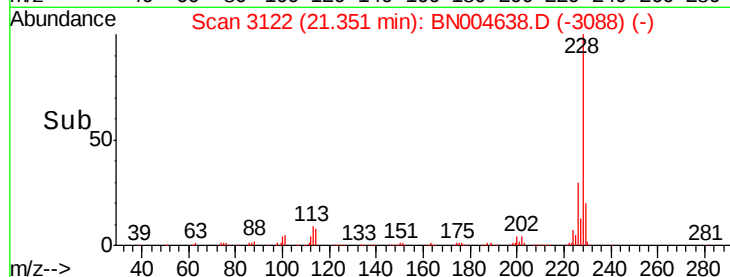
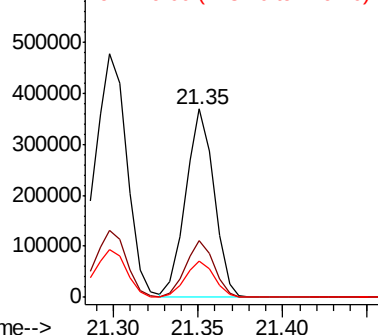
Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.0	36.0
229	19.6	15.7	23.5



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



#88

Benzo(b)fluoranthene

Concen: 28.892 ng/ul

RT: 22.89 min Scan# 3384

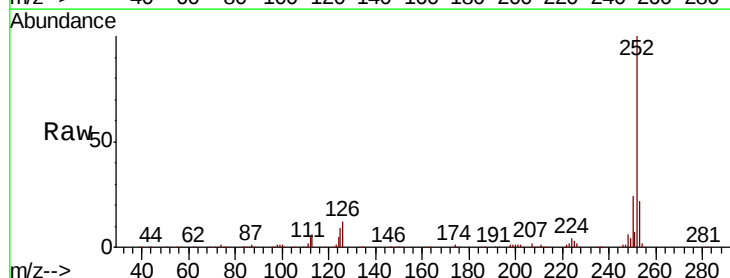
Delta R.T. 0.01 min

Lab File: BN004638.D

Acq: 07 Mar 2019 15:55

Tgt Ion:252 Resp: 469850

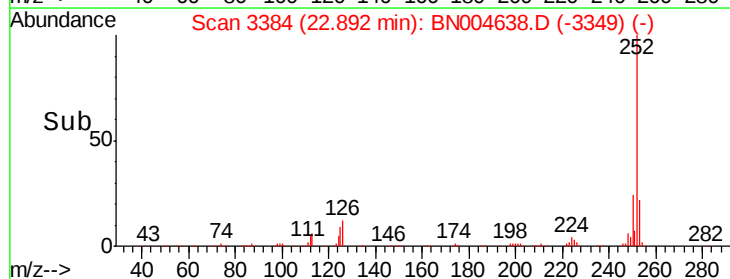
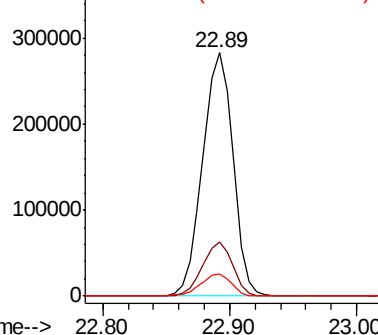
Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	9.0	7.4	11.2

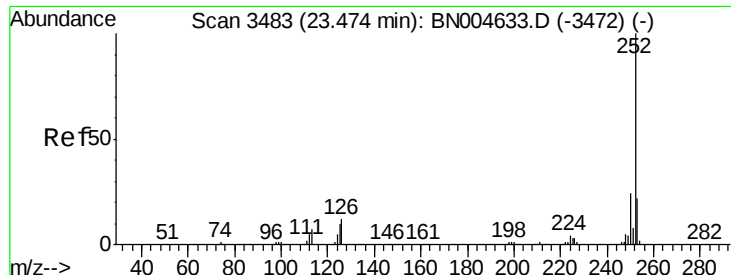


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a)pyrene

Concen: 27.318 ng/u1

RT: 23.48 min Scan# 3484

Delta R.T. 0.01 min

Lab File: BN004638.D

Acq: 07 Mar 2019 15:55

Instrument :

BNA_N

ClientSampleId :

DB637

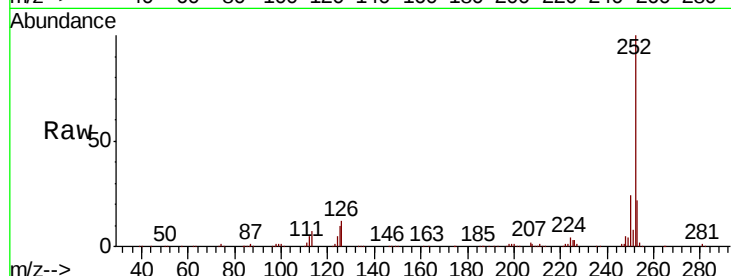
Tot Ion:252 Resp: 417916

Ion Ratio Lower Upper

252 100

253 21.6 17.6 26.4

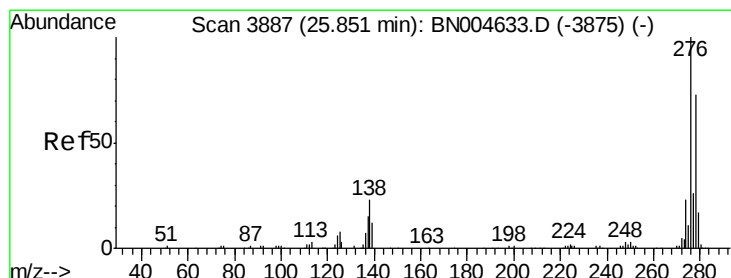
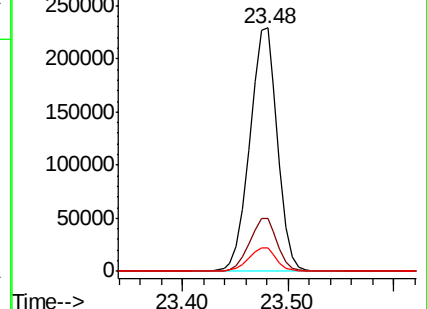
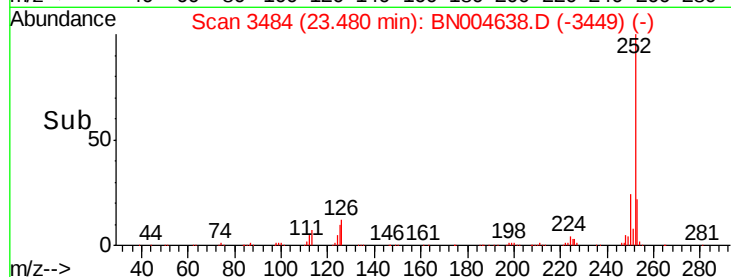
125 9.5 8.4 12.6



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



#92

Indeno(1,2,3-cd)pyrene

Concen: 30.682 ng/u1

RT: 25.86 min Scan# 3888

Delta R.T. 0.01 min

Lab File: BN004638.D

Acq: 07 Mar 2019 15:55

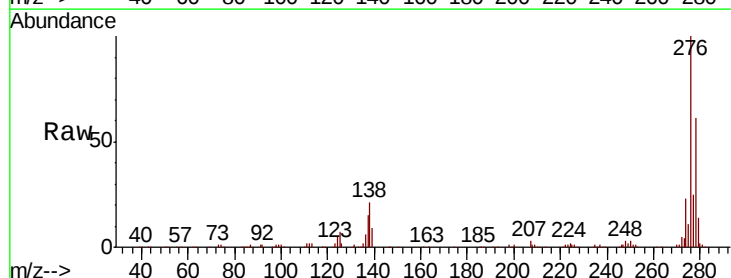
Tgt Ion:276 Resp: 511292

Ion Ratio Lower Upper

276 100

138 20.7 18.7 28.1

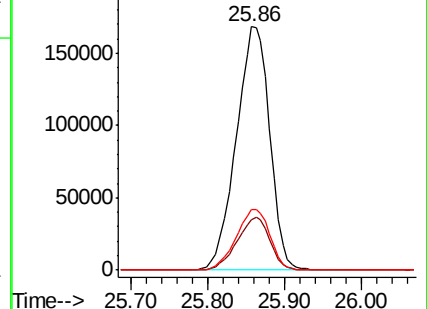
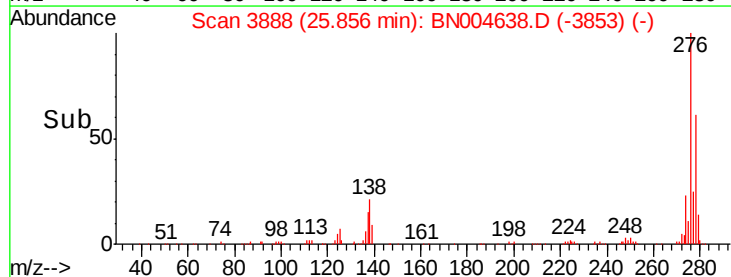
277 25.1 19.8 29.8

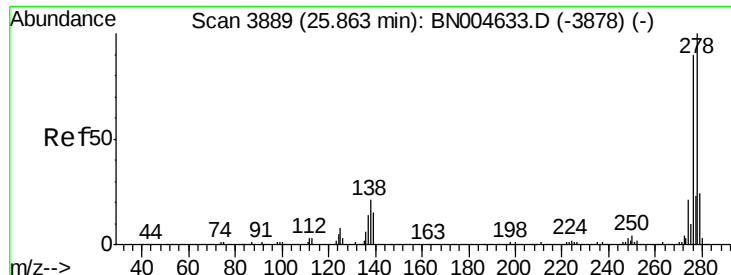


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#93

Dibenzo(a,h)anthracene

Concen: 23.803 ng/ul

RT: 25.87 min Scan# 3890

Delta R.T. 0.01 min

Lab File: BN004638.D

Acq: 07 Mar 2019 15:55

Instrument :

BNA_N

ClientSampleId :

DB637

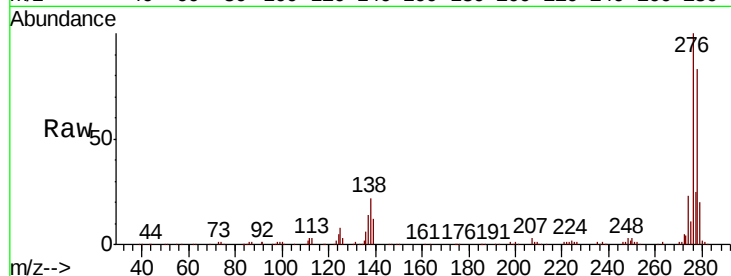
Tot Ion:278 Resp: 333730

Ion Ratio Lower Upper

278 100

139 14.8 12.4 18.6

279 23.5 19.3 28.9



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

