

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN042319\
 Data File : BN005219.D
 Acq On : 23 Apr 2019 17:48
 Operator : JU/SJ
 Sample : K2403-05
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A5111

Quant Time: Apr 24 08:53:18 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Apr 23 03:50:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	875089	20.00	ng/ul	0.00
18) Naphthalene-d8	10.36	136	3614957	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.23	164	1989960	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.99	188	4053407	20.00	ng/ul	0.00
77) Chrysene-d12	21.23	240	3891204	20.00	ng/ul	0.01
85) Perylene-d12	23.44	264	4369547	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	71759	3.96	ng/uL	0.00
5) Phenol-d5	6.78	99	1014055	14.75	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.95	67	601375	14.03	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	789854	15.02	ng/ul	0.00
13) 4-Methylphenol-d8	8.30	113	766666	14.27	ng/ul	0.00
19) Nitrobenzene-d5	8.74	128	367708	16.53	ng/ul	0.00
22) 2-Nitrophenol-d4	9.45	143	411916	18.26	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.98	165	806605	15.60	ng/ul	0.00
29) 4-Chloroaniline-d4	10.49	131	925424	17.36	ng/ul	0.00
43) Dimethylphthalate-d6	13.65	166	2346936	16.25	ng/ul	0.00
46) Acenaphthylene-d8	13.92	160	2824859	15.92	ng/ul	0.00
51) 4-Nitrophenol-d4	14.43	143	354515	15.54	ng/ul	0.00
57) Fluorene-d10	15.23	176	1912135	15.77	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.36	200	250563	13.74	ng/ul	0.00
70) Anthracene-d10	17.09	188	2810716	16.54	ng/ul	0.00
78) Pyrene-d10	19.40	212	3076969	15.46	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.30	264	3256801	17.05	ng/ul	0.02

Target Compounds

					Qvalue
2) 1,4-Dioxane	3.25	88	95159	4.882	ng/uL 93
12) 2,2'-oxybis(1-Chloropropan	8.13	45	885210	9.314	ng/ul 99
20) Nitrobenzene	8.78	77	708981	11.579	ng/ul 96
23) 2-Nitrophenol	9.48	139	426499	16.686	ng/ul 100
25) Bis(2-Chloroethoxy)methane	9.79	93	659601	8.657	ng/ul 99
27) 2,4-Dichlorophenol	10.01	162	541144	10.605	ng/ul 99
28) Naphthalene	10.41	128	1068849	6.360	ng/ul 99
30) 4-Chloroaniline	10.41	127	142051	2.616	ng/ul# 7
33) 4-Chloro-3-methylphenol	11.65	107	1800903	31.343	ng/ul 98
34) 2-Methylnaphthalene	12.03	142	1803555	14.657	ng/ul 99
37) Hexachlorocyclopentadiene	12.39	237	476673	11.353	ng/ul 97
38) 2,4,6-Trichlorophenol	12.65	196	420817	11.332	ng/ul 98
39) 2,4,5-Trichlorophenol	12.65	196	391771	9.818	ng/ul 98
41) 2-Chloronaphthalene	13.09	162	1345078	11.795	ng/ul 98
44) Dimethylphthalate	13.70	163	722857	5.022	ng/ul 99
45) 2,6-Dinitrotoluene	13.81	165	190349	7.659	ng/ul 96
47) Acenaphthylene	13.95	152	1718544	9.856	ng/ul 98
49) Acenaphthene	14.29	153	901525	7.574	ng/ul 100
54) 2,4-Dinitrotoluene	14.60	165	621872	17.357	ng/ul 94
55) 2,3,4,6-Tetrachlorophenol	14.86	232	680582	20.501	ng/ul 94
58) Fluorene	15.29	166	927457	6.935	ng/ul 99
59) 4-Chlorophenyl-phenylether	15.29	204	845047	11.912	ng/ul 98
63) 4,6-Dinitro-2-methylphenol	15.37	198	860301	44.339	ng/ul 97

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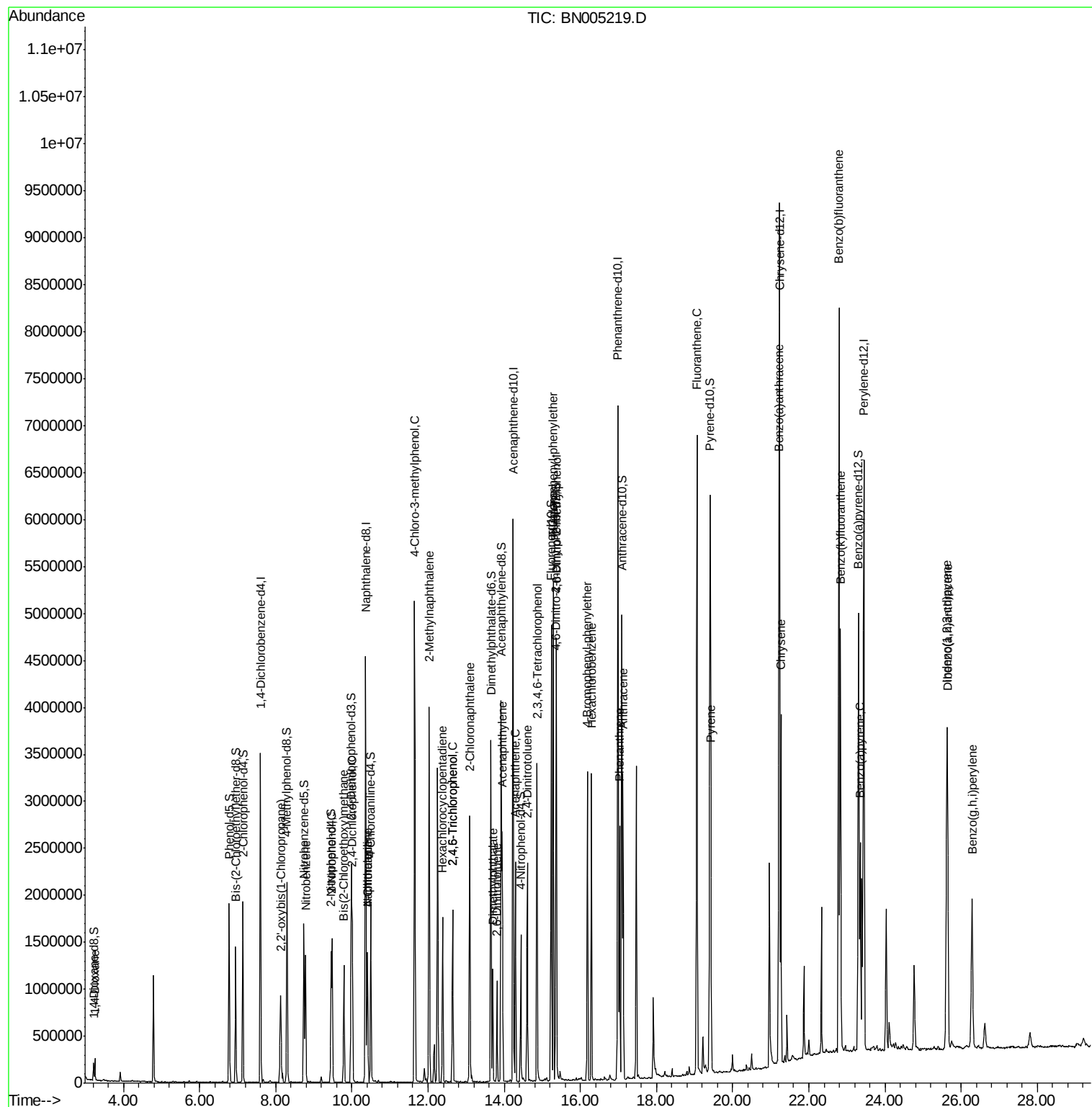
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) 4-Bromophenyl-phenylether	16.19	248	626272	15.337	ng/ul	97
66) Hexachlorobenzene	16.29	284	661898	15.222	ng/ul	96
69) Phenanthrene	17.03	178	1533705	7.769	ng/ul	100
71) Anthracene	17.12	178	1903099	9.464	ng/ul	99
76) Fluoranthene	19.06	202	4266284	19.484	ng/ul	99
79) Pyrene	19.43	202	1804606	7.203	ng/ul	98
82) Benzo(a)anthracene	21.21	228	1810037	7.477	ng/ul	99
84) Chrysene	21.26	228	1692649	7.534	ng/ul	99
87) Benzo(b)fluoranthene	22.79	252	5734701	23.347	ng/ul	98
88) Benzo(k)fluoranthene	22.83	252	1592239	6.787	ng/ul	98
90) Benzo(a)pyrene	23.34	252	1492286	6.464	ng/ul	99
91) Indeno(1,2,3-cd)pyrene	25.62	276	2157528	8.452	ng/ul	99
92) Dibenzo(a,h)anthracene	25.64	278	2167930	10.008	ng/ul	98
93) Benzo(g,h,i)perylene	26.29	276	1858222	8.804	ng/ul	98

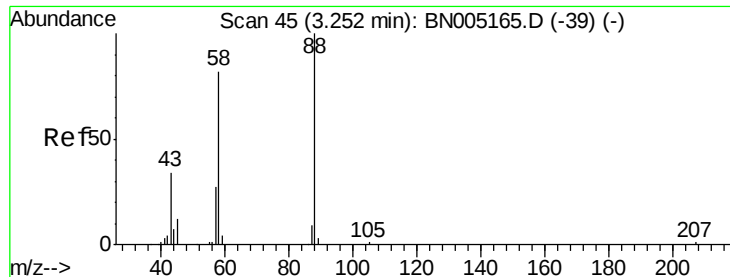
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

1,4-Dioxane

Concen: 4.882 ng/uL

RT: 3.25 min Scan# 45

Delta R.T. 0.00 min

Lab File: BN005219.D

Acq: 23 Apr 2019 17:48

Instrument :

BNA_N

ClientSampled :

A5111

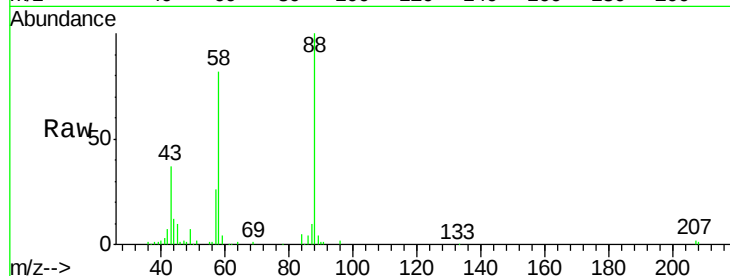
Tgt Ion: 88 Resp: 95159

Ion Ratio Lower Upper

88 100

43 37.3 25.3 37.9

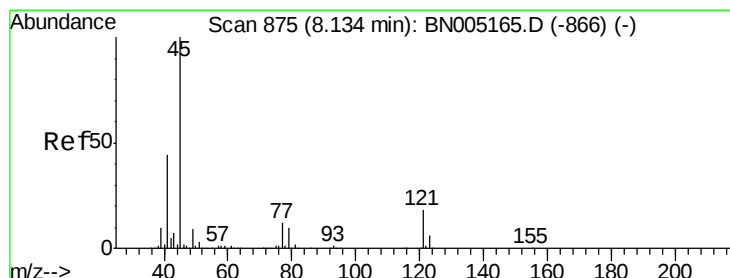
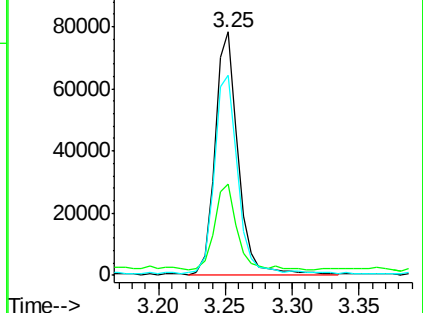
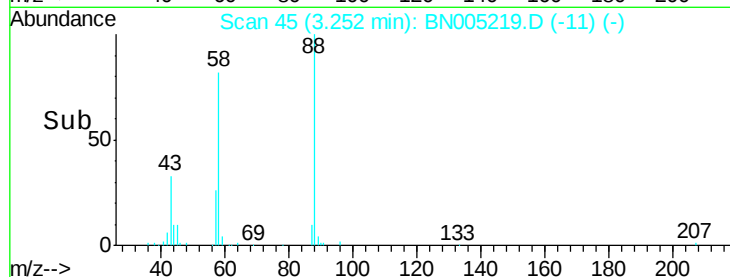
58 82.3 62.3 93.5



Abundance Ion 88.00 (87.70 to 88.70): BN005219.D (-11) (-)

Ion 43.00 (42.70 to 43.70): BN005219.D (-11) (-)

Ion 58.00 (57.70 to 58.70): BN005219.D (-11) (-)



#12

2,2'-oxybis(1-Chloropropane)

Concen: 9.314 ng/uL

RT: 8.13 min Scan# 874

Delta R.T. -0.01 min

Lab File: BN005219.D

Acq: 23 Apr 2019 17:48

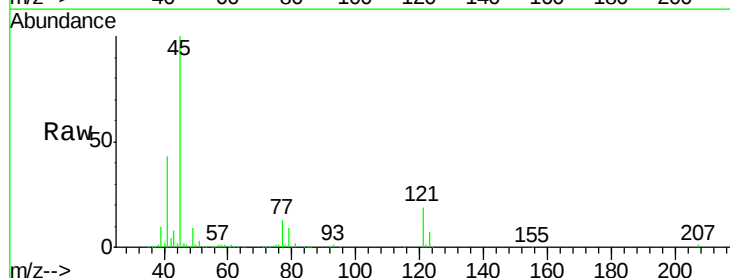
Tgt Ion: 45 Resp: 885210

Ion Ratio Lower Upper

45 100

77 12.9 9.8 14.6

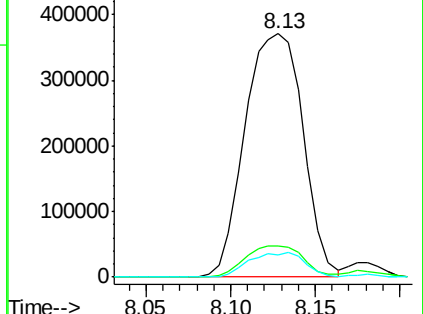
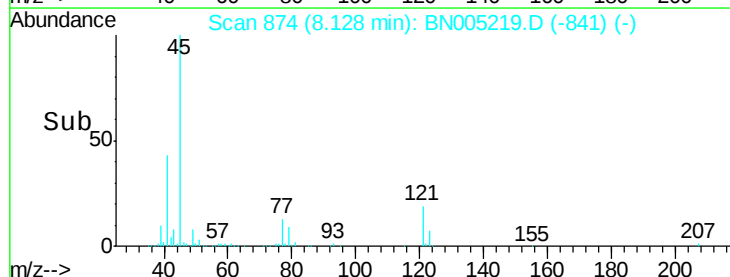
79 9.3 7.4 11.0

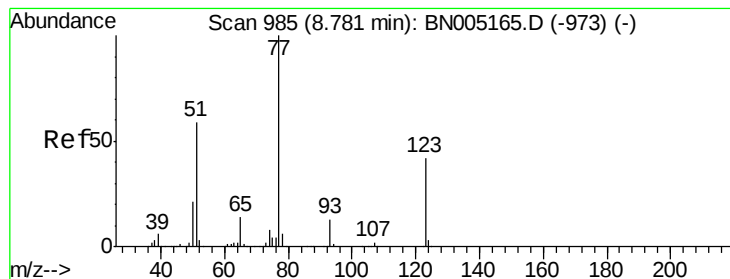


Abundance Ion 45.00 (44.70 to 45.70): BN005219.D (-841) (-)

Ion 77.00 (76.70 to 77.70): BN005219.D (-841) (-)

Ion 79.00 (78.70 to 79.70): BN005219.D (-841) (-)





#20

Nitrobenzene

Concen: 11.579 ng/ul

RT: 8.78 min Scan# 985

Delta R.T. 0.00 min

Lab File: BN005219.D

Acq: 23 Apr 2019 17:48

Instrument :

BNA_N

ClientSampleId :

A5111

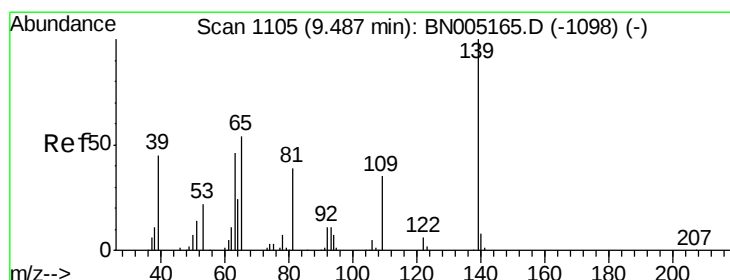
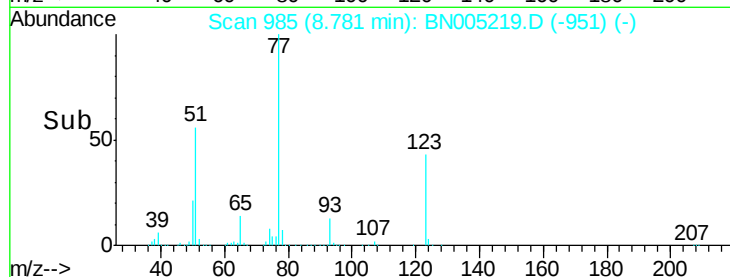
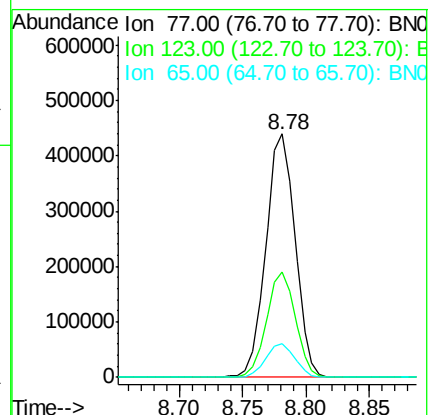
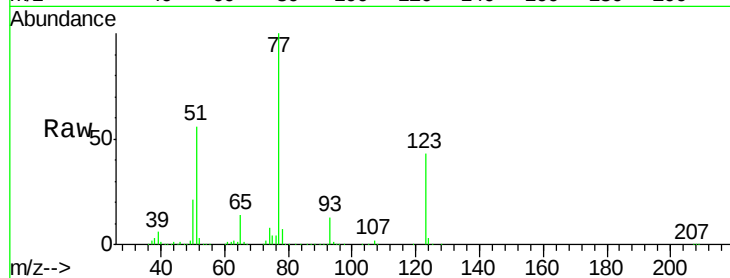
Tgt Ion: 77 Resp: 708981

Ion Ratio Lower Upper

77 100

123 43.4 32.6 49.0

65 13.9 11.6 17.4



#23

2-Nitrophenol

Concen: 16.686 ng/ul

RT: 9.48 min Scan# 1104

Delta R.T. -0.01 min

Lab File: BN005219.D

Acq: 23 Apr 2019 17:48

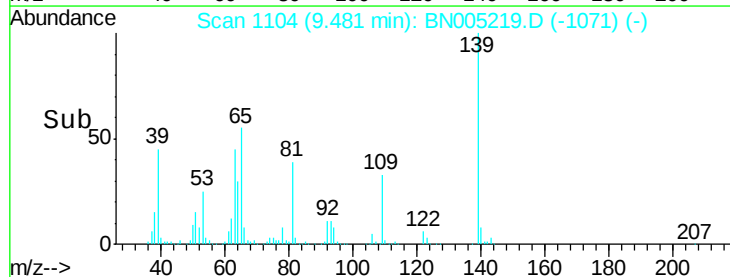
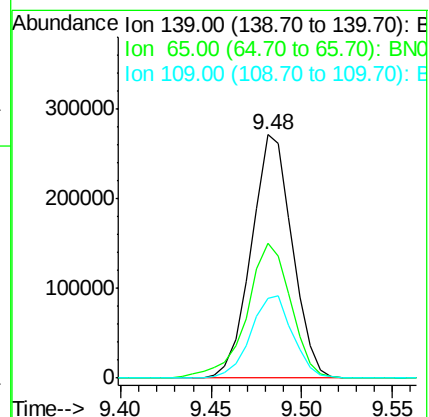
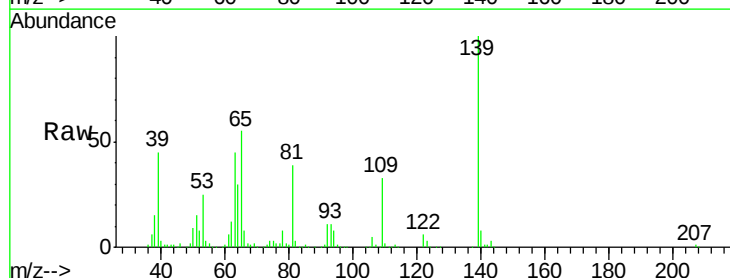
Tgt Ion: 139 Resp: 426499

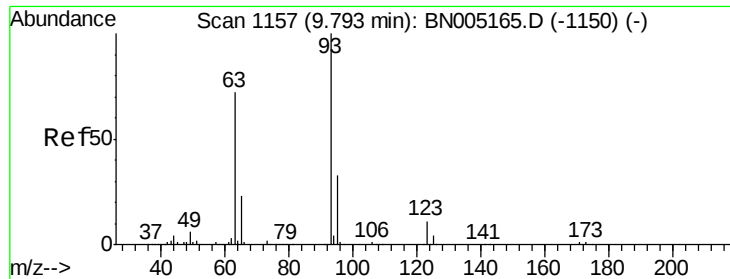
Ion Ratio Lower Upper

139 100

65 55.2 44.2 66.4

109 33.0 26.8 40.2





#25

Bis(2-Chloroethoxy)methane

Concen: 8.657 ng/ul

RT: 9.79 min Scan# 1156

Delta R.T. -0.01 min

Lab File: BN005219.D

Acq: 23 Apr 2019 17:48

Instrument :

BNA_N

ClientSampleId :

A5111

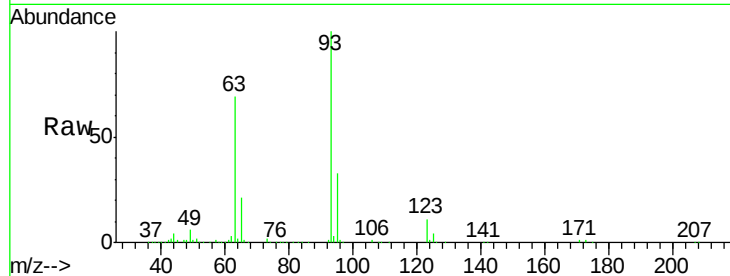
Tgt Ion: 93 Resp: 659601

Ion Ratio Lower Upper

93 100

95 32.6 26.6 39.8

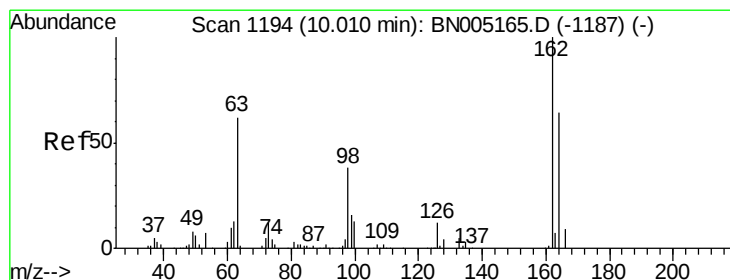
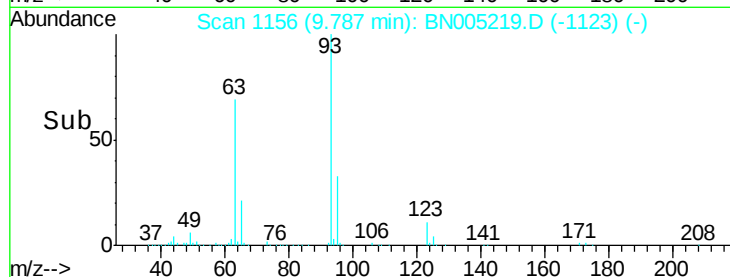
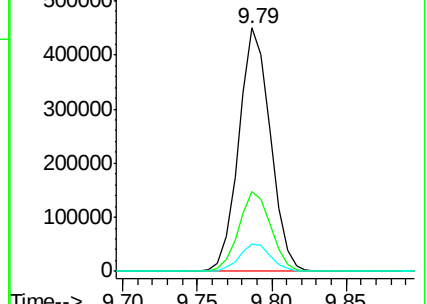
123 11.1 8.9 13.3



Abundance Ion 93.00 (92.70 to 93.70): BN005219.D (-1150) (-)

Ion 95.00 (94.70 to 95.70): BN005219.D (-1150) (-)

Ion 123.00 (122.70 to 123.70): BN005219.D (-1150) (-)



#27

2,4-Dichlorophenol

Concen: 10.605 ng/ul

RT: 10.01 min Scan# 1194

Delta R.T. 0.00 min

Lab File: BN005219.D

Acq: 23 Apr 2019 17:48

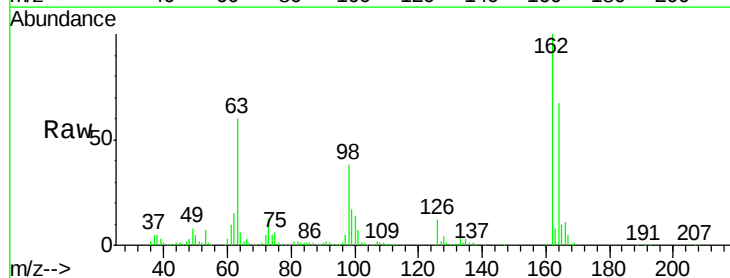
Tgt Ion: 162 Resp: 541144

Ion Ratio Lower Upper

162 100

164 66.6 52.6 79.0

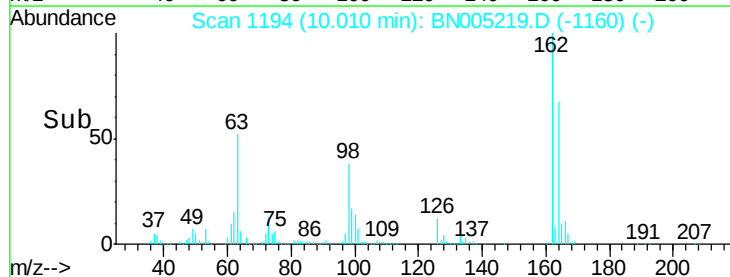
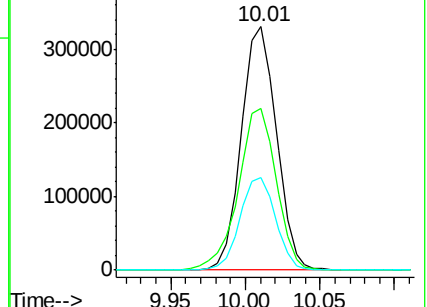
98 38.2 30.8 46.2

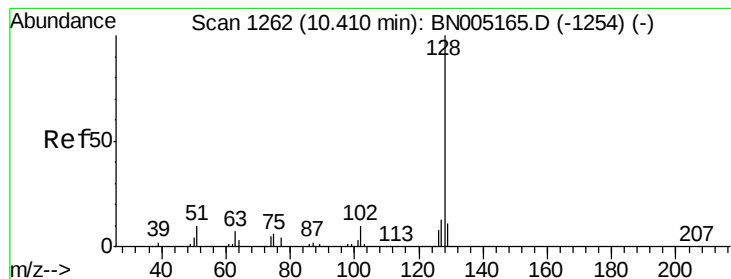


Abundance Ion 162.00 (161.70 to 162.70): BN005219.D (-1187) (-)

Ion 164.00 (163.70 to 164.70): BN005219.D (-1187) (-)

Ion 98.00 (97.70 to 98.70): BN005219.D (-1187) (-)





#28

Naphthalene

Concen: 6.360 ng/ul

RT: 10.41 min Scan# 1262

Delta R.T. 0.00 min

Lab File: BN005219.D

Acq: 23 Apr 2019 17:48

Instrument :

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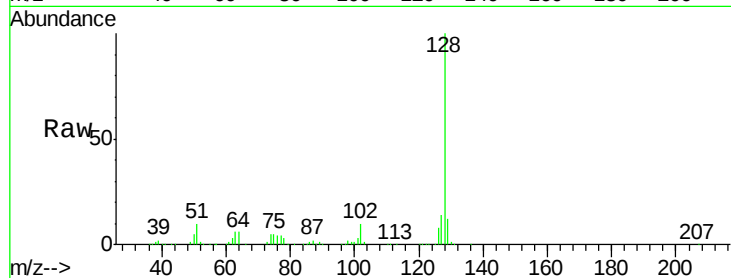
Tgt Ion:128 Resp: 1068849

Ion Ratio Lower Upper

128 100

129 11.6 9.2 13.8

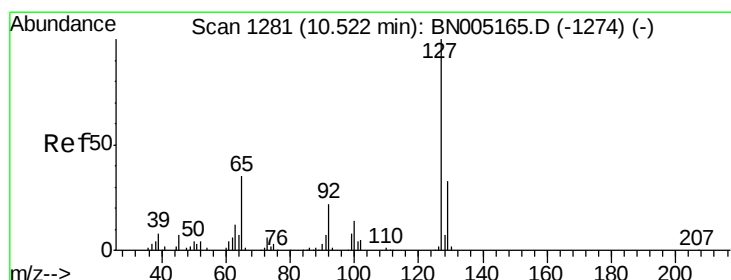
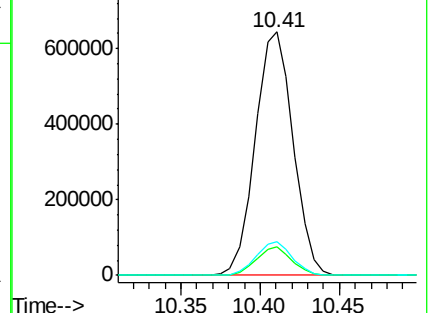
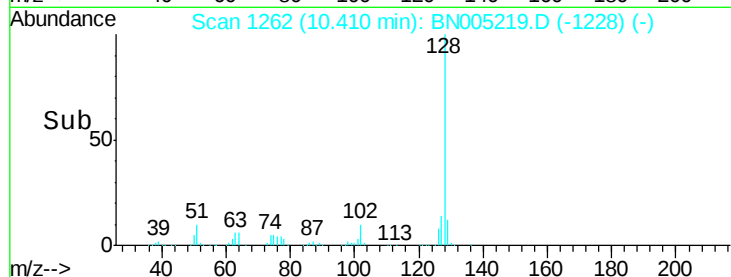
127 13.8 10.7 16.1



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: 2.616 ng/ul

RT: 10.41 min Scan# 1262

Delta R.T. -0.11 min

Lab File: BN005219.D

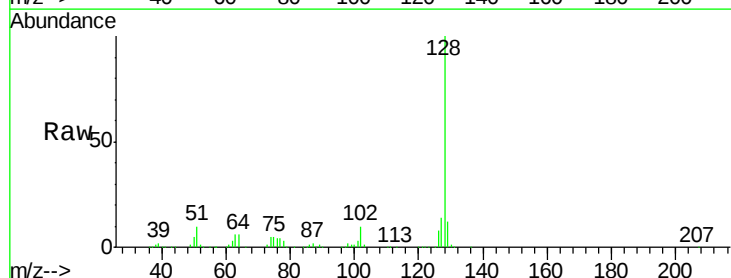
Acq: 23 Apr 2019 17:48

Tgt Ion:127 Resp: 142051

Ion Ratio Lower Upper

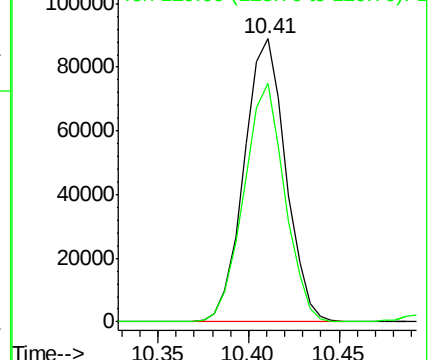
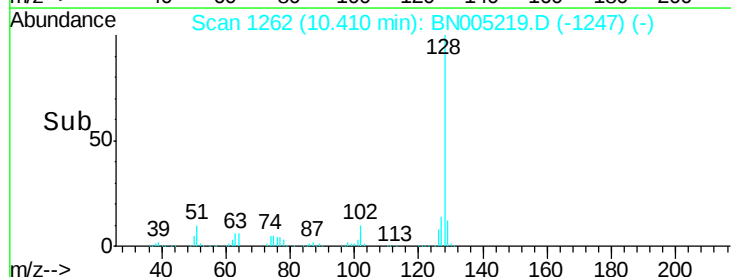
127 100

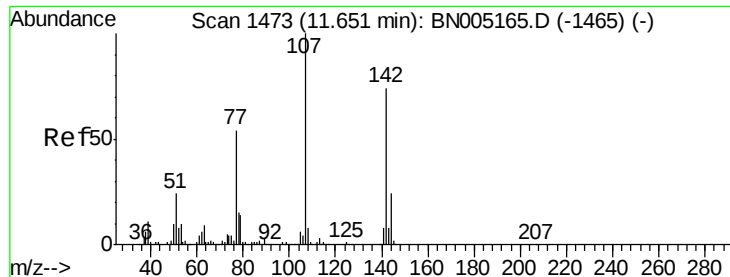
129 84.1 25.8 38.6#



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: 31.343 ng/ul

RT: 11.65 min Scan# 1472

Delta R.T. -0.01 min

Lab File: BN005219.D

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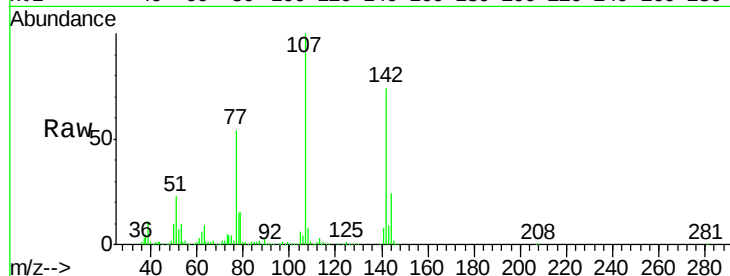
Tgt Ion:107 Resp: 1800903

Ion Ratio Lower Upper

107 100

144 23.6 19.4 29.0

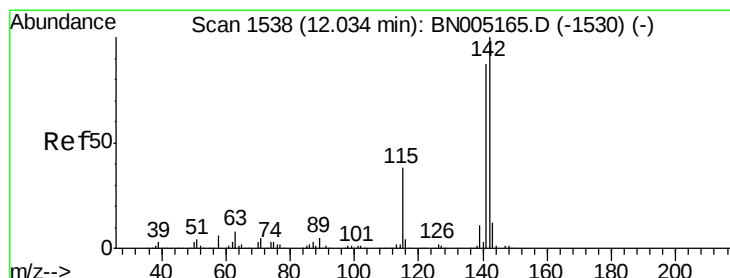
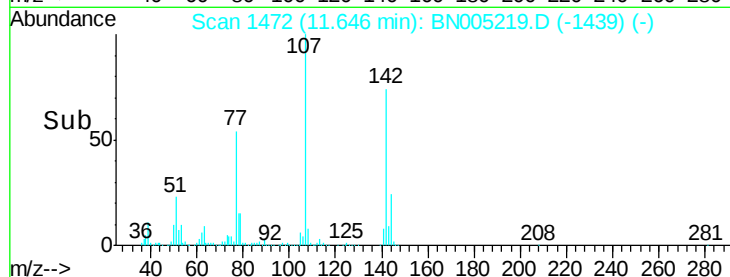
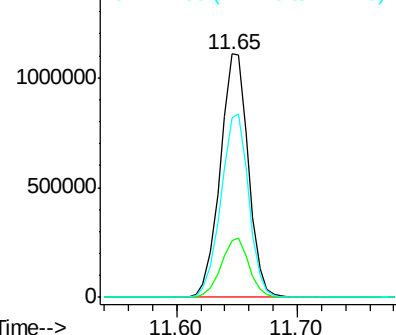
142 73.9 57.7 86.5



Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E



#34

2-Methylnaphthalene

Concen: 14.657 ng/ul

RT: 12.03 min Scan# 1537

Delta R.T. -0.01 min

Lab File: BN005219.D

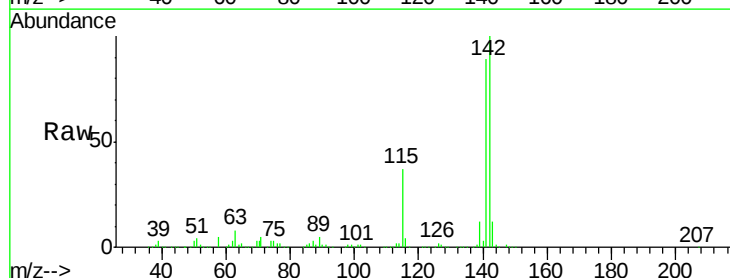
Acq: 23 Apr 2019 17:48

Tgt Ion:142 Resp: 1803555

Ion Ratio Lower Upper

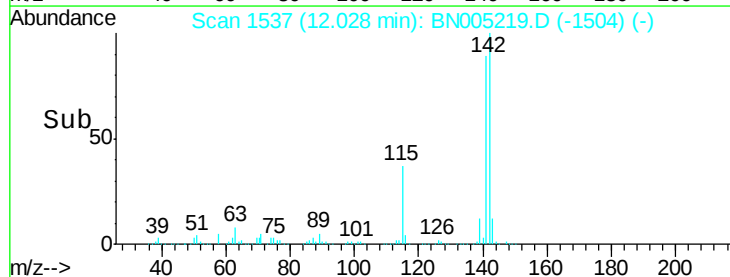
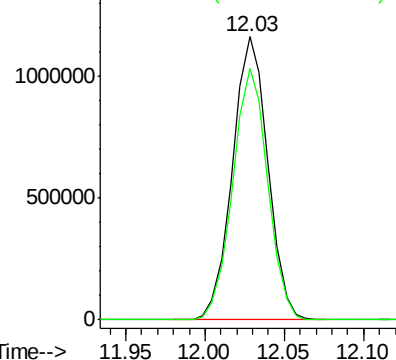
142 100

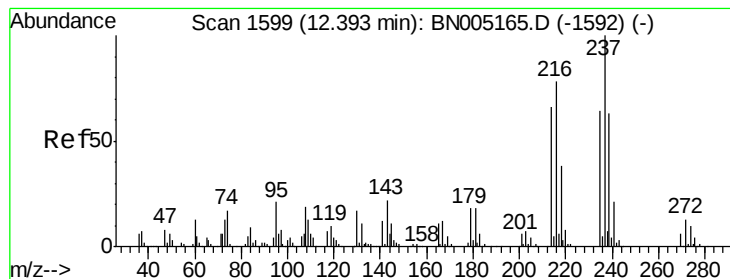
141 88.8 72.0 108.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#37

Hexachlorocyclopentadiene

Concen: 11.353 ng/ul

RT: 12.39 min Scan# 1598

Delta R.T. -0.01 min

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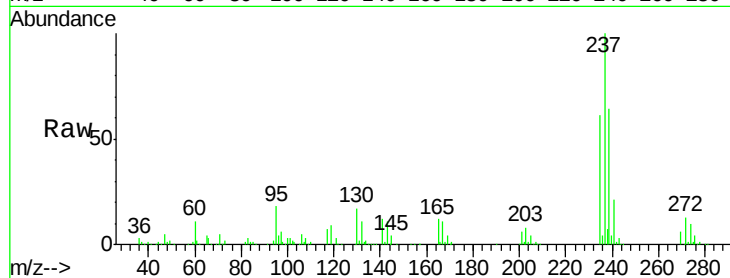
Tgt Ion:237 Resp: 476673

Ion Ratio Lower Upper

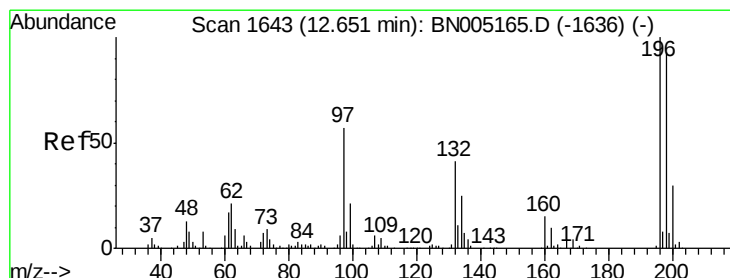
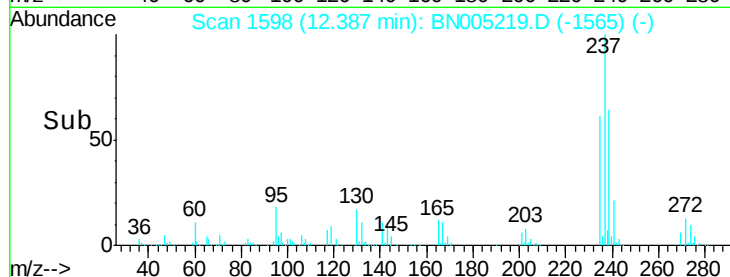
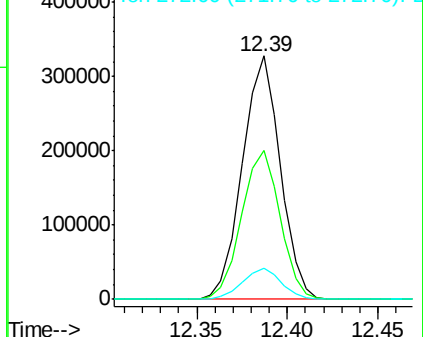
237 100

235 61.1 51.1 76.7

272 12.6 9.5 14.3



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: 11.332 ng/ul

RT: 12.65 min Scan# 1642

Delta R.T. -0.01 min

Lab File: BN005219.D

Acq: 23 Apr 2019 17:48

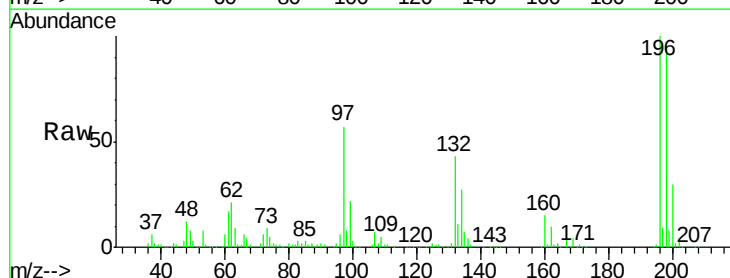
Tgt Ion:196 Resp: 420817

Ion Ratio Lower Upper

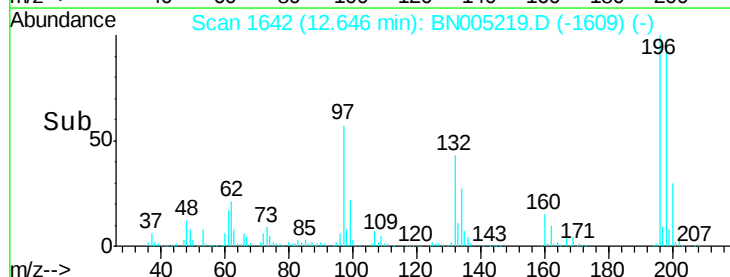
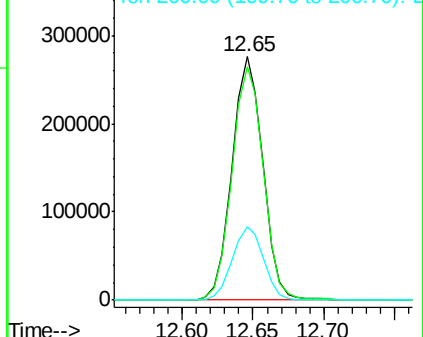
196 100

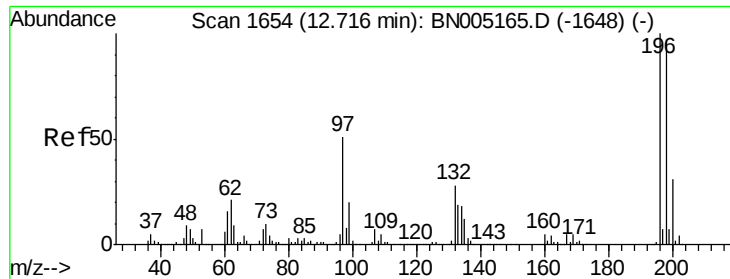
198 96.1 74.8 112.2

200 30.1 23.5 35.3



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

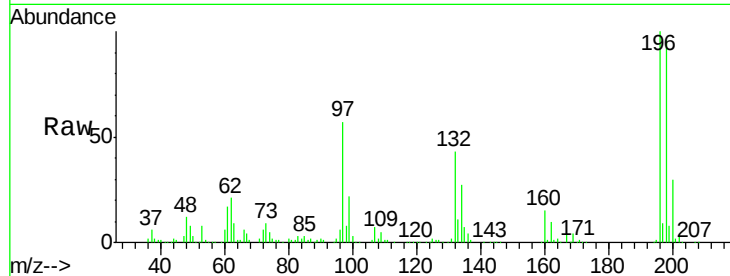




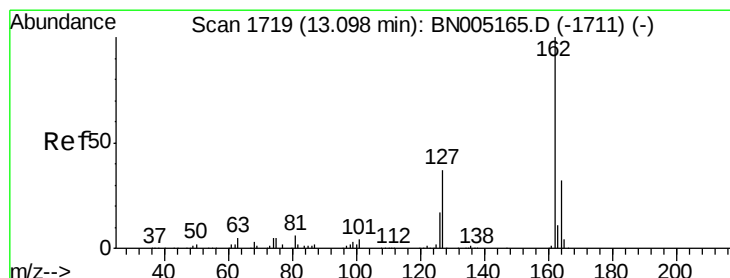
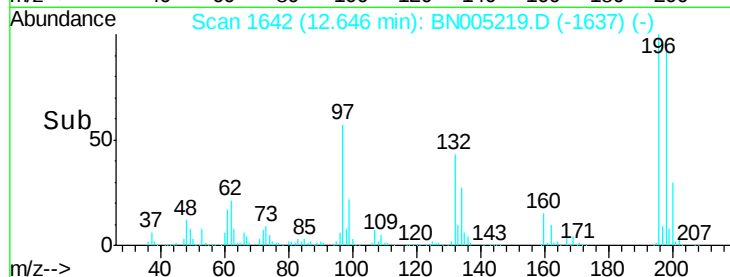
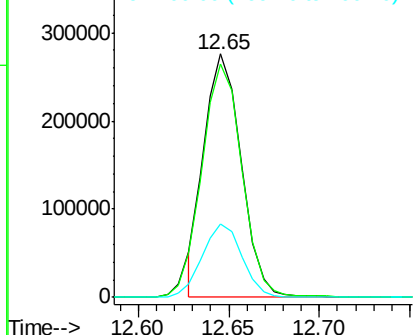
#39
 2,4,5-Trichlorophenol
 Concen: 9.818 ng/ul
 RT: 12.65 min Scan# 1642
 Delta R.T. -0.07 min
 Lab File: BN005219.D
 Acq: 23 Apr 2019 17:48

Instrument :
 BNA_N
 ClientSampleId :
 A5111

Tgt Ion:196 Resp: 391771
 Ion Ratio Lower Upper
 196 100
 198 96.1 75.0 112.4
 200 30.1 24.2 36.4

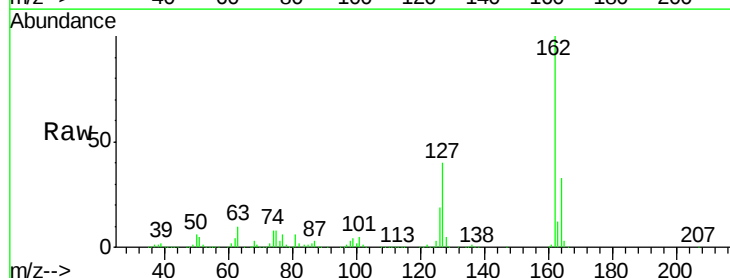


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

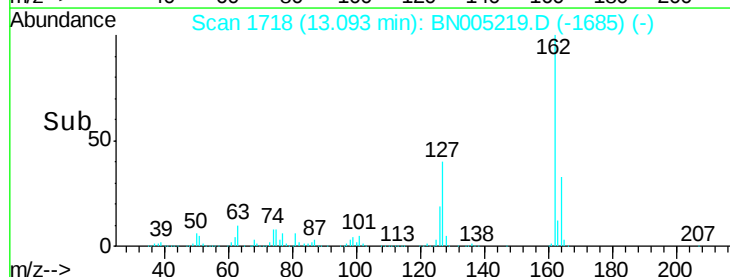
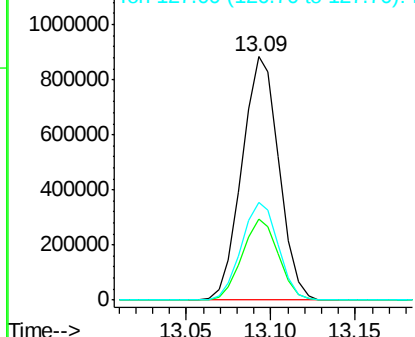


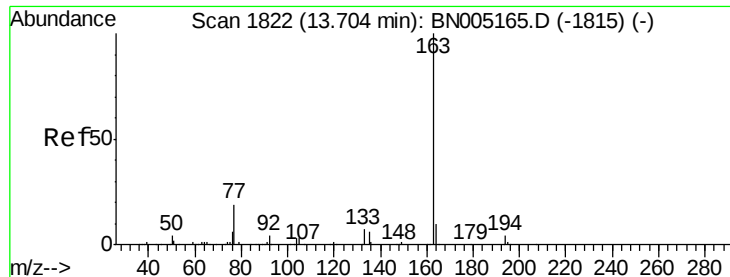
#41
 2-Chloronaphthalene
 Concen: 11.795 ng/ul
 RT: 13.09 min Scan# 1718
 Delta R.T. -0.01 min
 Lab File: BN005219.D
 Acq: 23 Apr 2019 17:48

Tgt Ion:162 Resp: 1345078
 Ion Ratio Lower Upper
 162 100
 164 33.4 26.8 40.2
 127 40.1 33.5 50.3



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

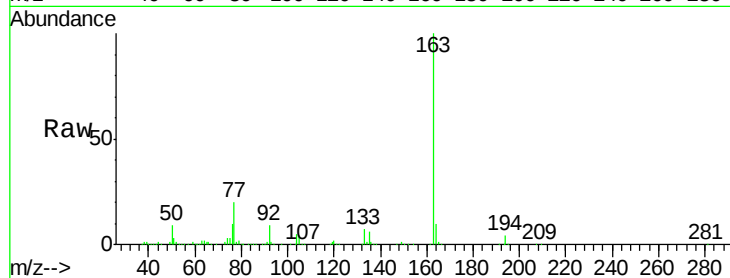




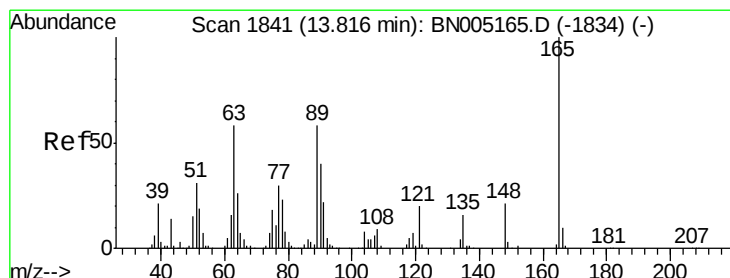
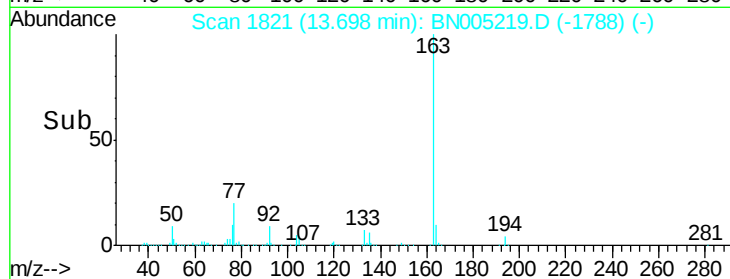
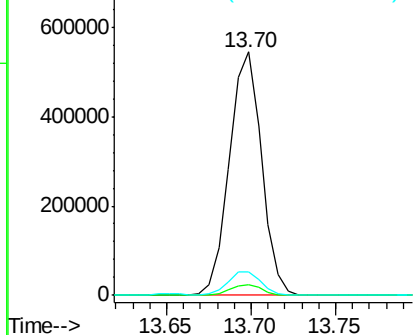
#44
Dimethylphthalate
Concen: 5.022 ng/ul
RT: 13.70 min Scan# 1821
Delta R.T. -0.01 min
Lab File: BN005219.D
Acq: 23 Apr 2019 17:48

Instrument :
BNA_N
ClientSampleId :
A5111

Tgt Ion:163 Resp: 722857
Ion Ratio Lower Upper
163 100
194 4.4 3.4 5.0
164 9.5 8.1 12.1

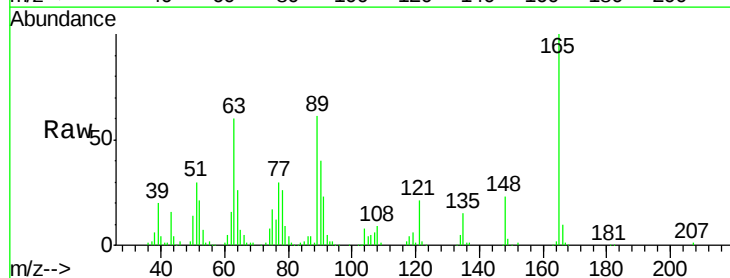


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

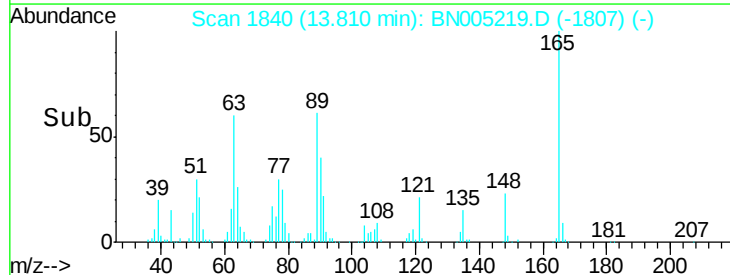
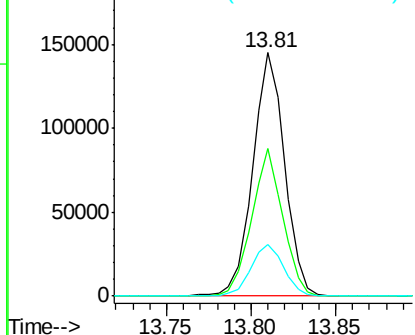


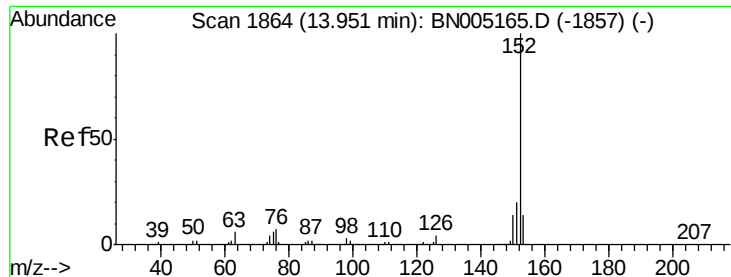
#45
2,6-Dinitrotoluene
Concen: 7.659 ng/ul
RT: 13.81 min Scan# 1840
Delta R.T. -0.01 min
Lab File: BN005219.D
Acq: 23 Apr 2019 17:48

Tgt Ion:165 Resp: 190349
Ion Ratio Lower Upper
165 100
89 60.6 50.2 75.2
121 21.0 19.4 29.2



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: 9.856 ng/ul

RT: 13.95 min Scan# 1863

Delta R.T. -0.01 min

Lab File: BN005219.D

Acq: 23 Apr 2019 17:48

Instrument :

BNA_N

ClientSampleId :

A5111

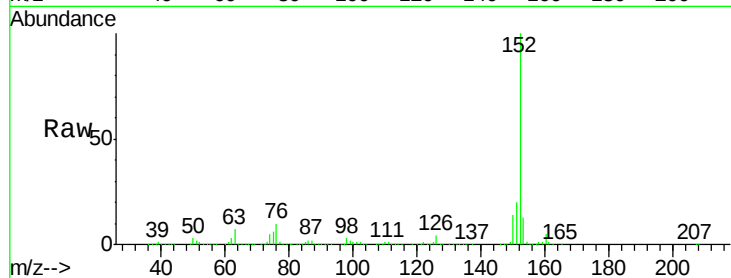
Tgt Ion:152 Resp: 1718544

Ion Ratio Lower Upper

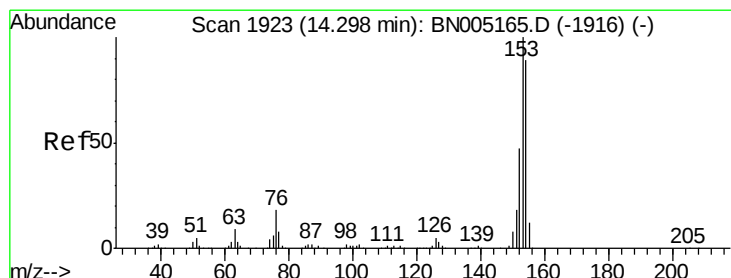
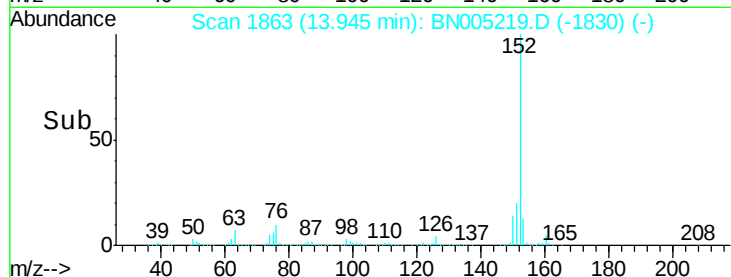
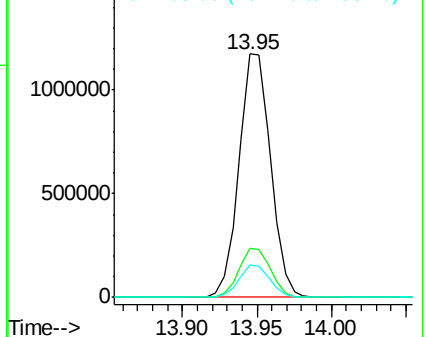
152 100

151 20.3 15.8 23.8

153 13.5 9.8 14.8



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: 7.574 ng/ul

RT: 14.29 min Scan# 1922

Delta R.T. -0.01 min

Lab File: BN005219.D

Acq: 23 Apr 2019 17:48

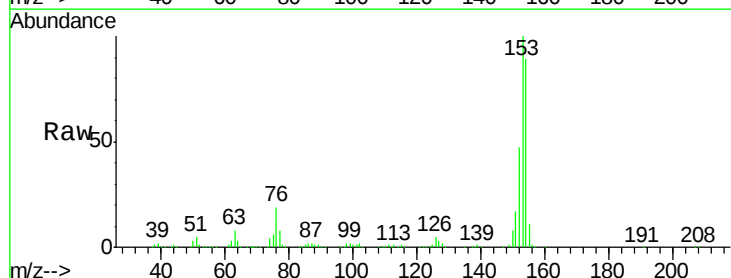
Tgt Ion:153 Resp: 901525

Ion Ratio Lower Upper

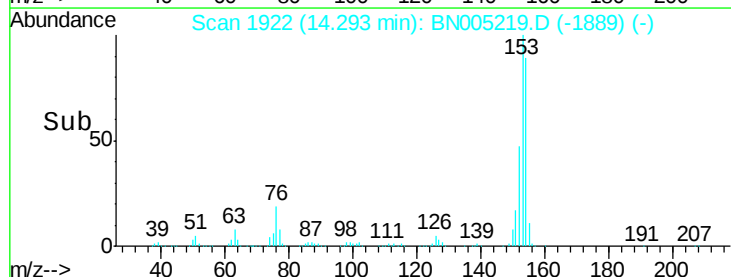
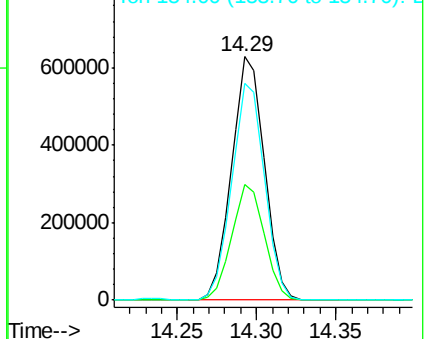
153 100

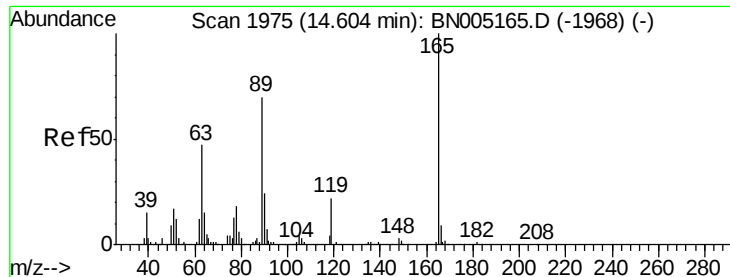
152 47.4 37.4 56.0

154 89.0 71.2 106.8



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

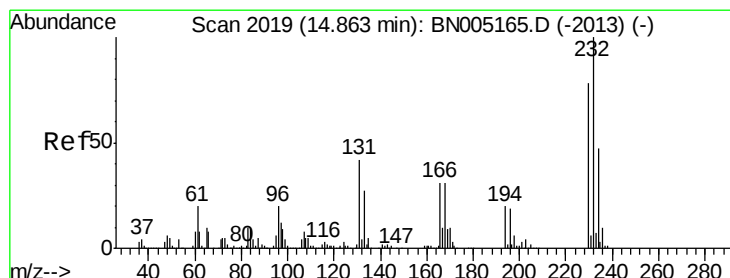
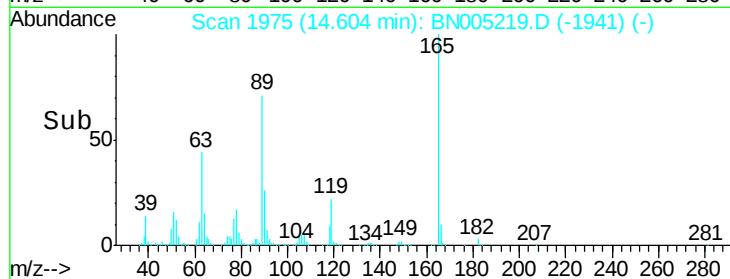
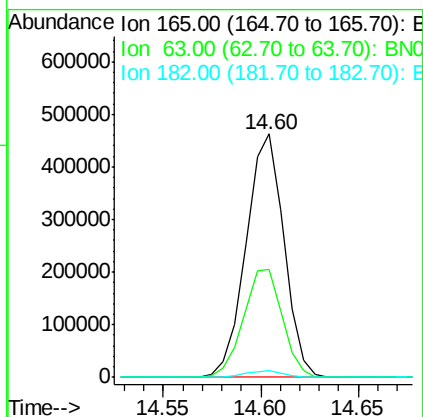
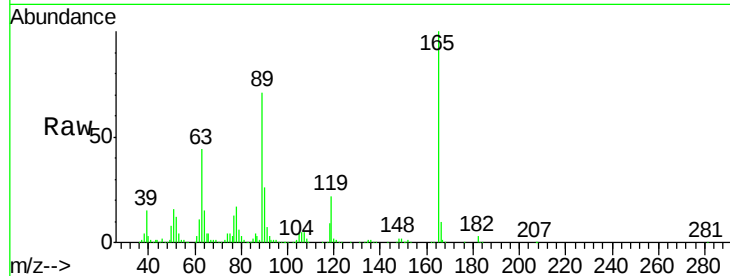




#54
2,4-Dinitrotoluene
Concen: 17.357 ng/ul
RT: 14.60 min Scan# 1975
Delta R.T. 0.00 min
Lab File: BN005219.D
Acq: 23 Apr 2019 17:48

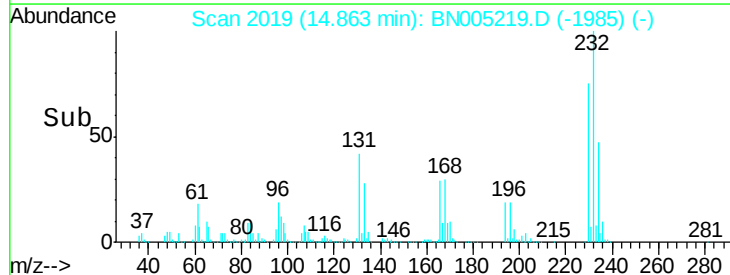
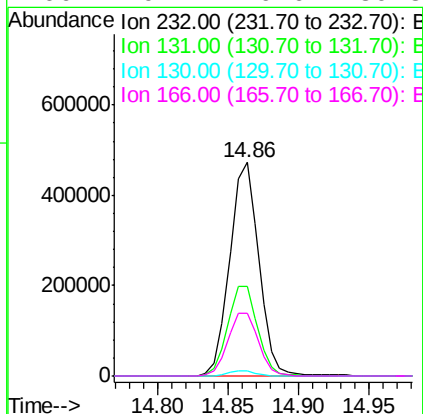
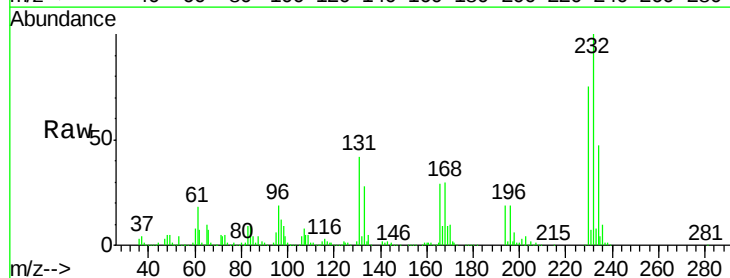
Instrument :
BNA_N
ClientSampleId :
A5111

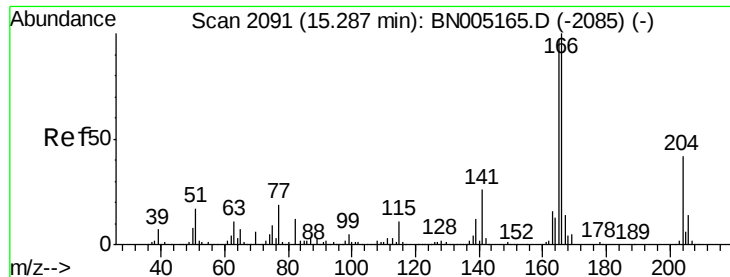
Tgt Ion:165 Resp: 621872
Ion Ratio Lower Upper
165 100
63 44.4 38.9 58.3
182 2.9 2.6 3.8



#55
2,3,4,6-Tetrachlorophenol
Concen: 20.501 ng/ul
RT: 14.86 min Scan# 2019
Delta R.T. 0.00 min
Lab File: BN005219.D
Acq: 23 Apr 2019 17:48

Tgt Ion:232 Resp: 680582
Ion Ratio Lower Upper
232 100
131 41.9 36.6 54.8
130 2.2 2.0 3.0
166 29.2 26.6 39.8





#58

Fluorene

Concen: 6.935 ng/ul

RT: 15.29 min Scan# 2091

Delta R.T. 0.00 min

Lab File: BN005219.D

Acq: 23 Apr 2019 17:48

Instrument :

BNA_N

ClientSampled :

A5111

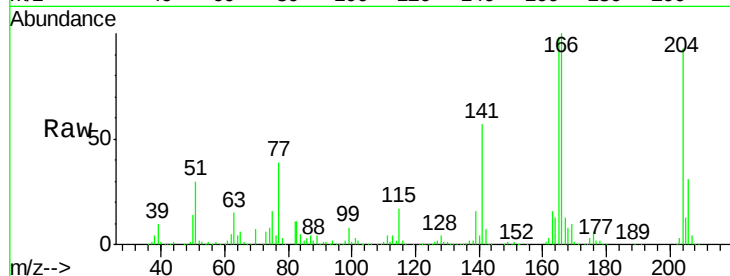
Tgt Ion:166 Resp: 927457

Ion Ratio Lower Upper

166 100

165 98.4 80.0 120.0

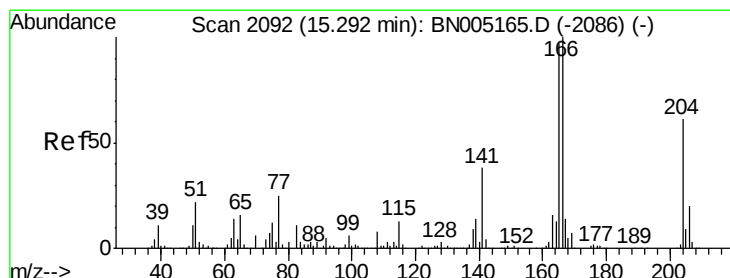
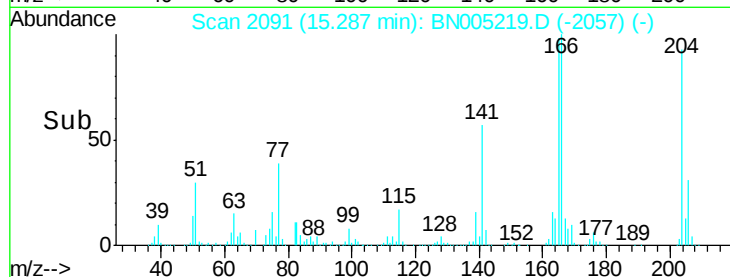
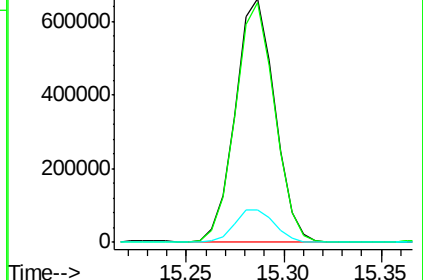
167 13.4 10.7 16.1



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



#59

4-Chlorophenyl-phenylether

Concen: 11.912 ng/ul

RT: 15.29 min Scan# 2091

Delta R.T. -0.01 min

Lab File: BN005219.D

Acq: 23 Apr 2019 17:48

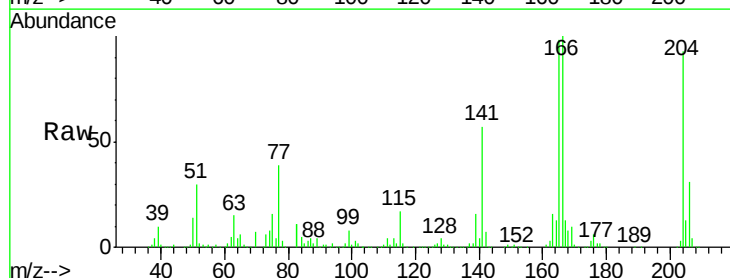
Tgt Ion:204 Resp: 845047

Ion Ratio Lower Upper

204 100

206 33.0 26.9 40.3

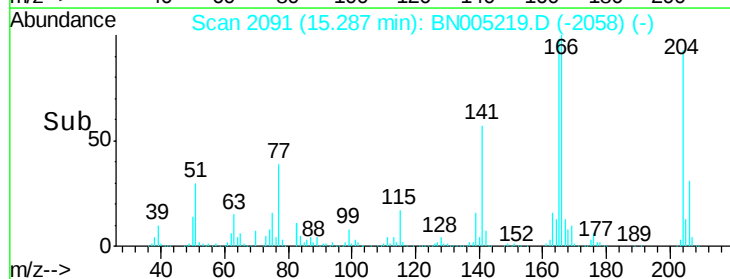
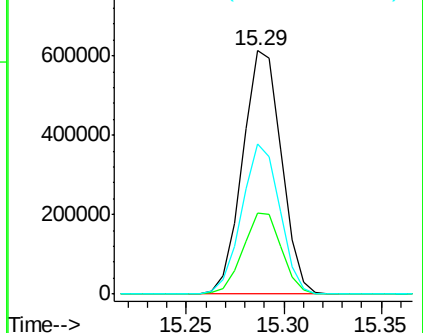
141 61.6 47.9 71.9

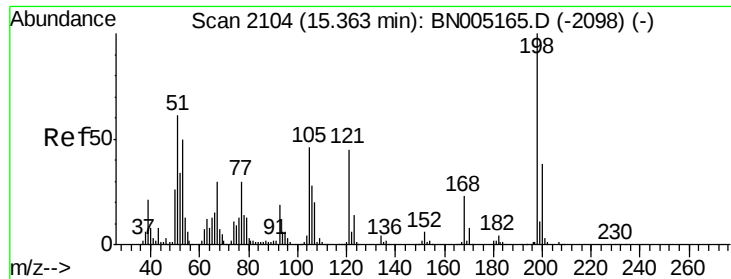


Abundance Ion 204.00 (203.70 to 204.70): E

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: 44.339 ng/ul

RT: 15.37 min Scan# 2105

Delta R.T. 0.01 min

Lab File: BN005219.D

Acq: 23 Apr 2019 17:48

Instrument :

BNA_N

ClientSampleId :

A5111

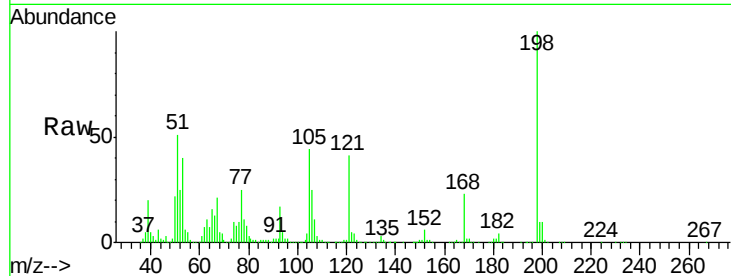
Tgt Ion:198 Resp: 860301

Ion Ratio Lower Upper

198 100

182 3.6 3.0 4.6

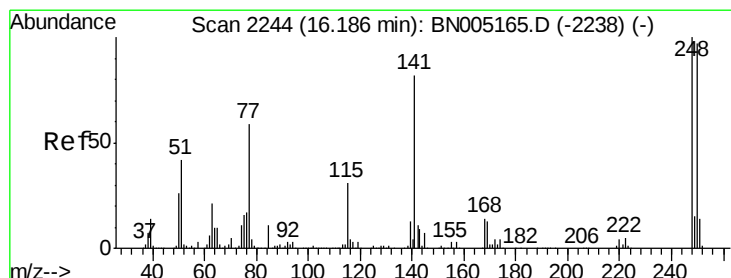
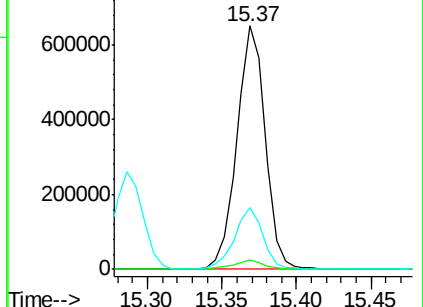
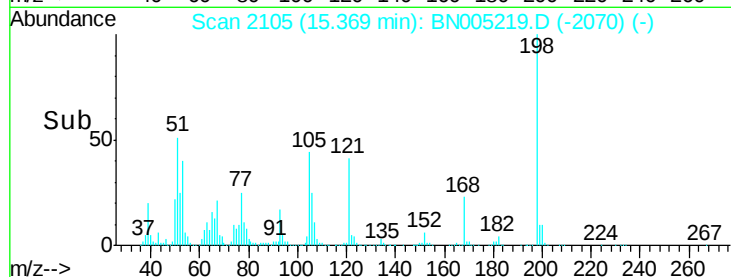
77 25.4 21.9 32.9



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 77.00 (76.70 to 77.70): BNC



#65

4-Bromophenyl-phenylether

Concen: 15.337 ng/ul

RT: 16.19 min Scan# 2244

Delta R.T. 0.00 min

Lab File: BN005219.D

Acq: 23 Apr 2019 17:48

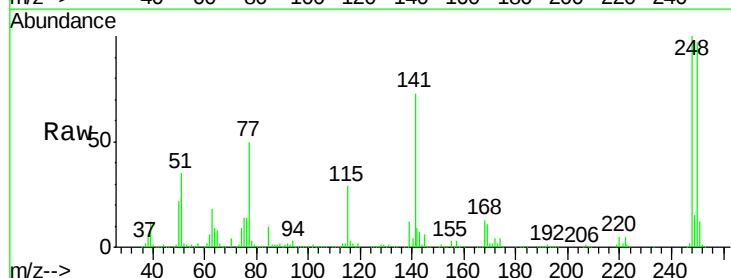
Tgt Ion:248 Resp: 626272

Ion Ratio Lower Upper

248 100

250 97.1 78.4 117.6

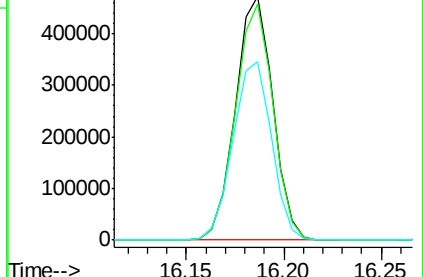
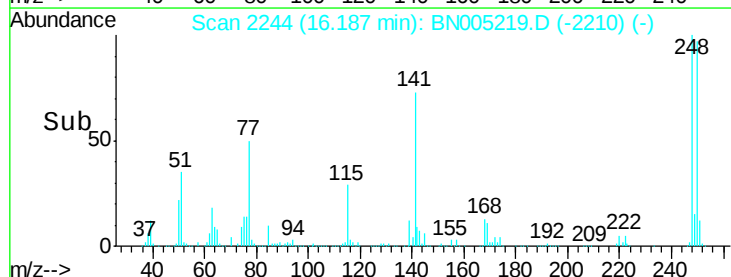
141 73.3 61.8 92.6

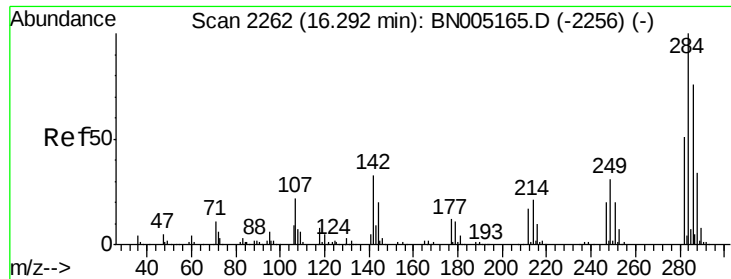


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

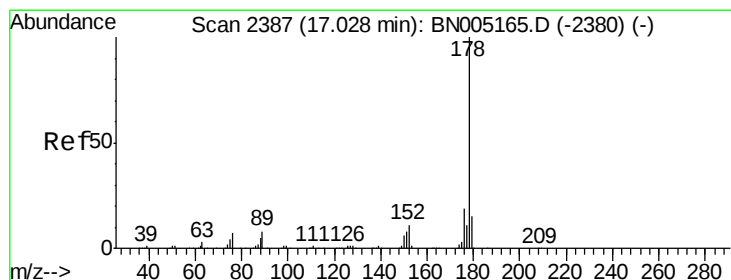
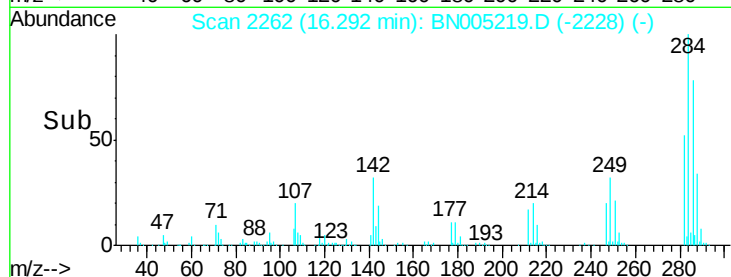
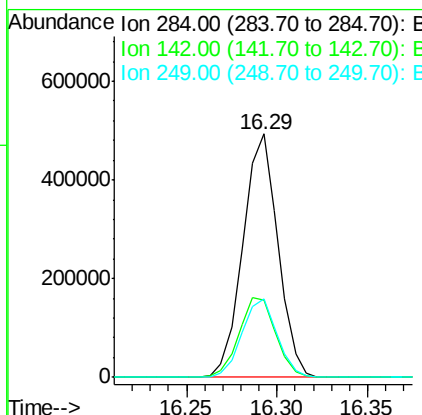
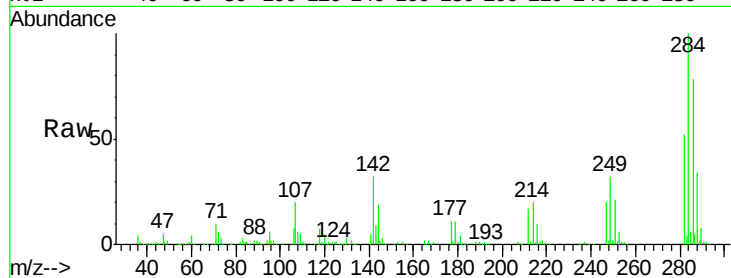




#66
Hexachlorobenzene
Concen: 15.222 ng/ul
RT: 16.29 min Scan# 2262
Delta R.T. 0.00 min
Lab File: BN005219.D
Acq: 23 Apr 2019 17:48

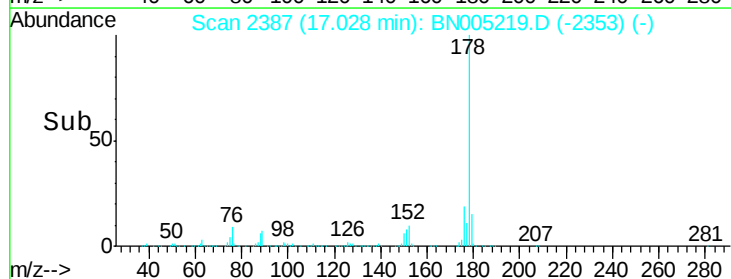
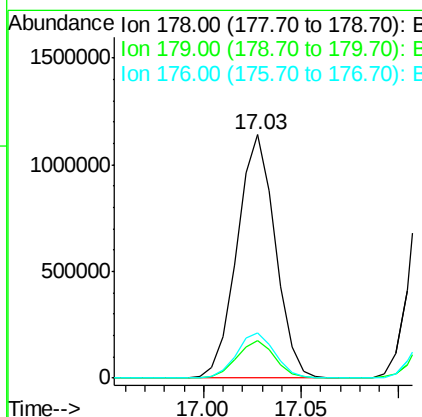
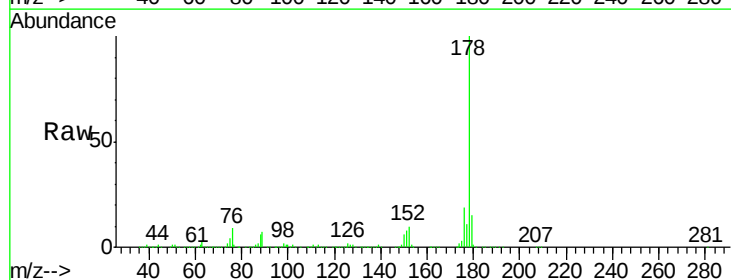
Instrument :
BNA_N
ClientSampleId :
A5111

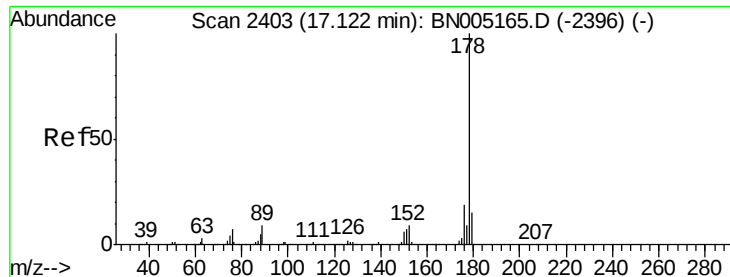
Tgt Ion: 284 Resp: 661898
Ion Ratio Lower Upper
284 100
142 31.9 29.4 44.2
249 32.5 26.1 39.1



#69
Phenanthrene
Concen: 7.769 ng/ul
RT: 17.03 min Scan# 2387
Delta R.T. 0.00 min
Lab File: BN005219.D
Acq: 23 Apr 2019 17:48

Tgt Ion: 178 Resp: 1533705
Ion Ratio Lower Upper
178 100
179 15.4 12.2 18.4
176 18.8 15.1 22.7

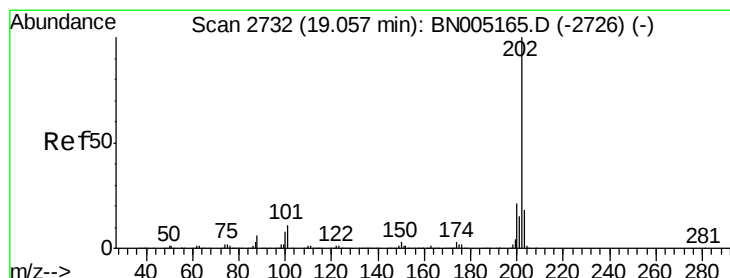
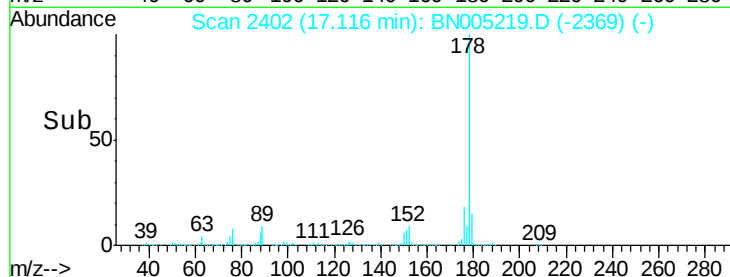
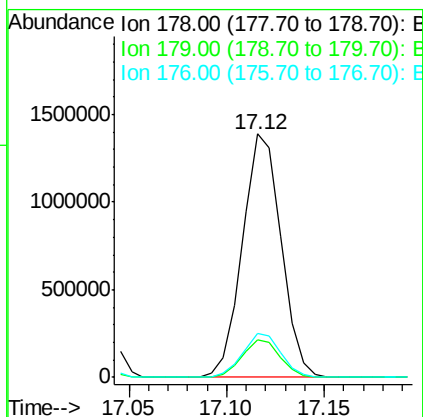
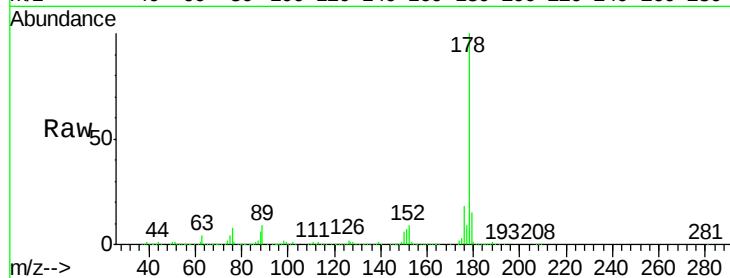




#71
 Anthracene
 Concen: 9.464 ng/ul
 RT: 17.12 min Scan# 2402
 Delta R.T. -0.01 min
 Lab File: BN005219.D
 Acq: 23 Apr 2019 17:48

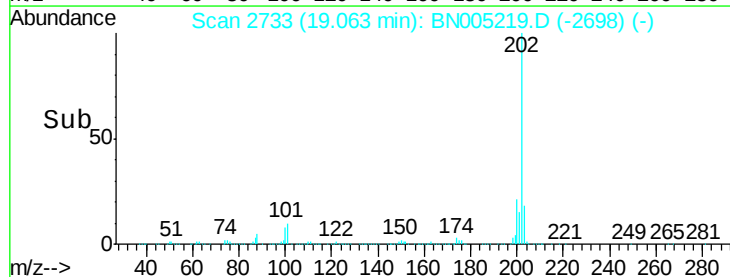
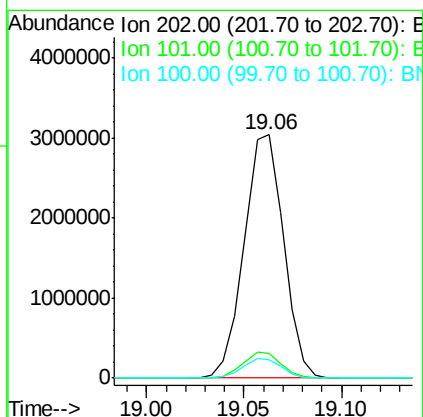
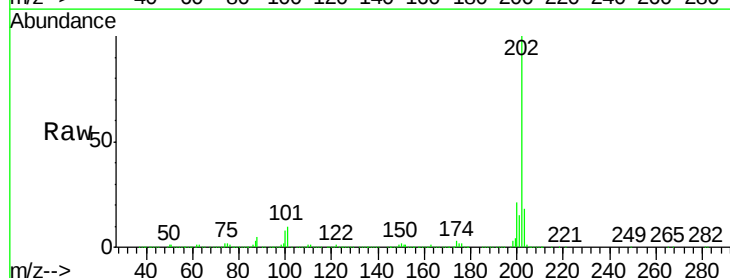
Instrument :
 BNA_N
 ClientSampleId :
 A5111

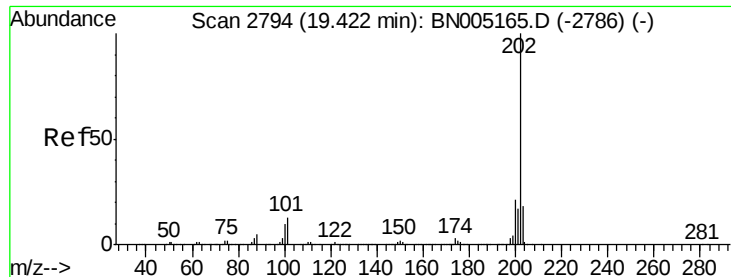
Tgt Ion:178 Resp: 1903099
 Ion Ratio Lower Upper
 178 100
 179 15.5 12.3 18.5
 176 18.1 15.1 22.7



#76
 Fluoranthene
 Concen: 19.484 ng/ul
 RT: 19.06 min Scan# 2733
 Delta R.T. 0.01 min
 Lab File: BN005219.D
 Acq: 23 Apr 2019 17:48

Tgt Ion:202 Resp: 4266284
 Ion Ratio Lower Upper
 202 100
 101 10.1 8.6 12.8
 100 7.8 6.3 9.5

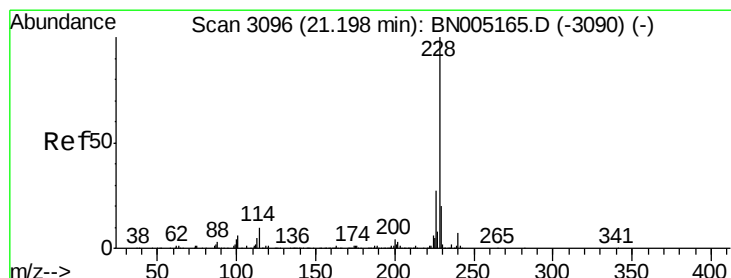
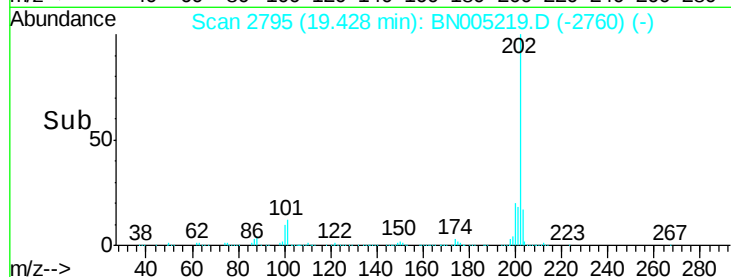
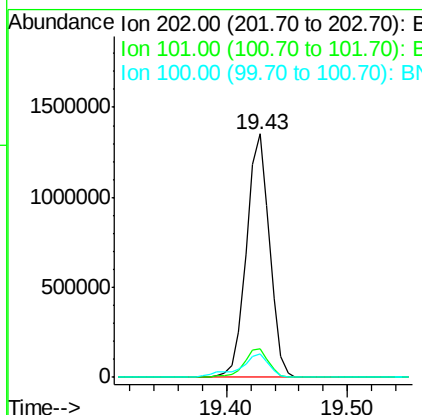
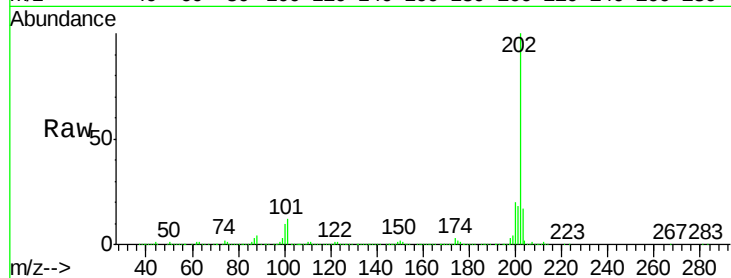




#79
 Pyrene
 Concen: 7.203 ng/ul
 RT: 19.43 min Scan# 2795
 Delta R.T. 0.01 min
 Lab File: BN005219.D
 Acq: 23 Apr 2019 17:48

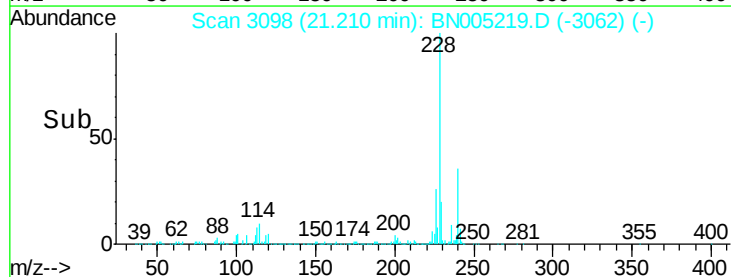
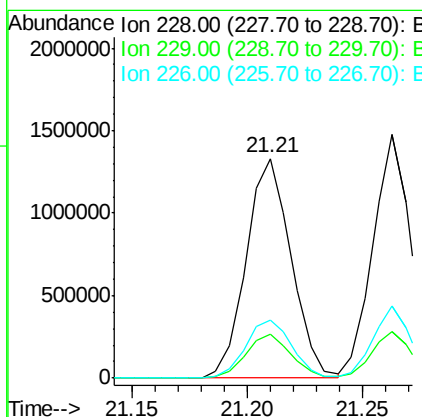
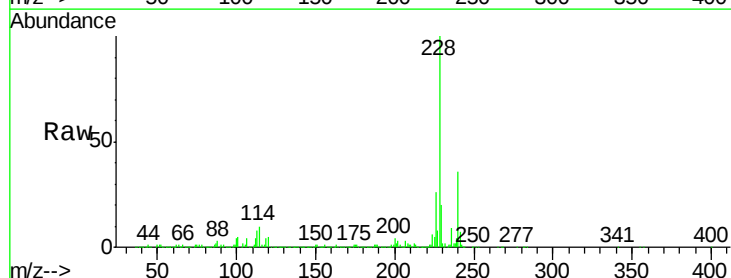
Instrument :
 BNA_N
 ClientSampleId :
 A5111

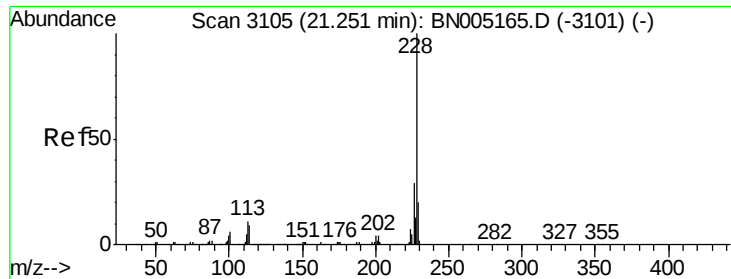
Tgt Ion:202 Resp: 1804606
 Ion Ratio Lower Upper
 202 100
 101 11.9 10.3 15.5
 100 9.7 7.9 11.9



#82
 Benzo(a)anthracene
 Concen: 7.477 ng/ul
 RT: 21.21 min Scan# 3098
 Delta R.T. 0.01 min
 Lab File: BN005219.D
 Acq: 23 Apr 2019 17:48

Tgt Ion:228 Resp: 1810037
 Ion Ratio Lower Upper
 228 100
 229 20.0 15.8 23.6
 226 26.3 21.4 32.2





#84

Chrysene

Concen: 7.534 ng/ul

RT: 21.26 min Scan# 3107

Delta R.T. 0.01 min

Lab File: BN005219.D

Acq: 23 Apr 2019 17:48

Instrument :

BNA_N

ClientSampleId :

A5111

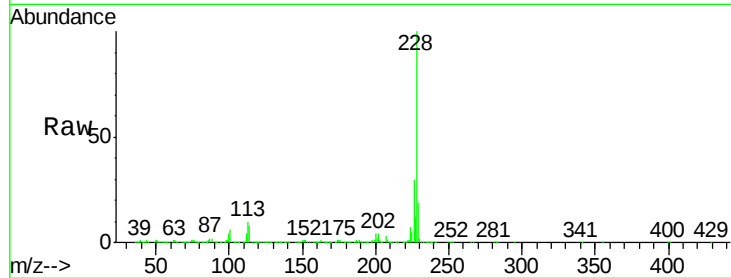
Tgt Ion:228 Resp: 1692649

Ion Ratio Lower Upper

228 100

226 29.5 24.0 36.0

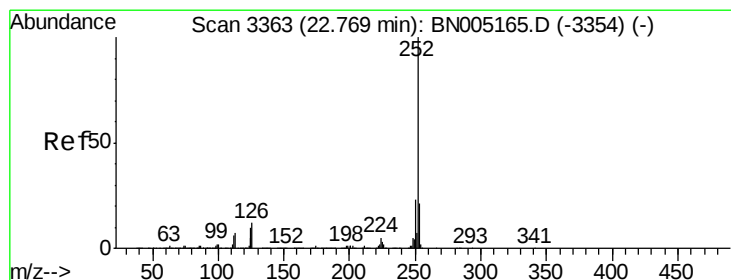
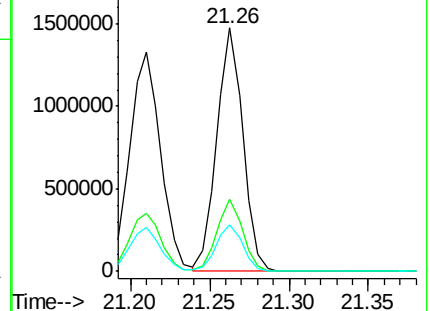
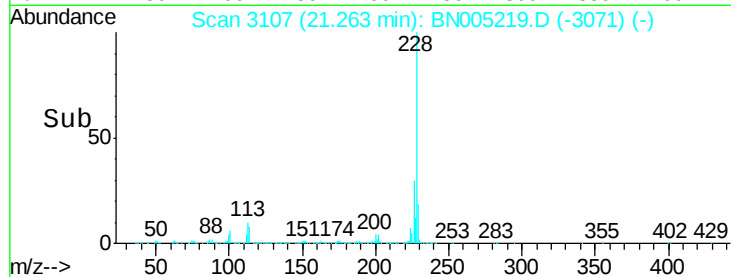
229 19.3 15.4 23.0



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



#87

Benzo(b)fluoranthene

Concen: 23.347 ng/ul

RT: 22.79 min Scan# 3367

Delta R.T. 0.02 min

Lab File: BN005219.D

Acq: 23 Apr 2019 17:48

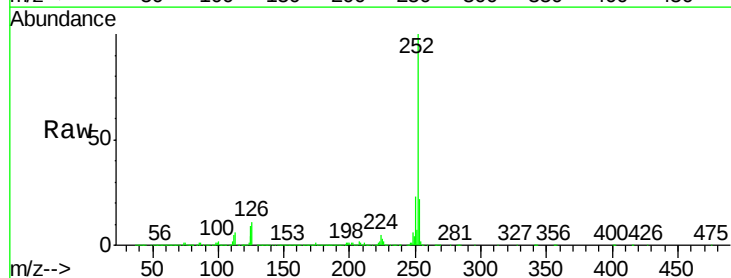
Tgt Ion:252 Resp: 5734701

Ion Ratio Lower Upper

252 100

253 22.1 17.7 26.5

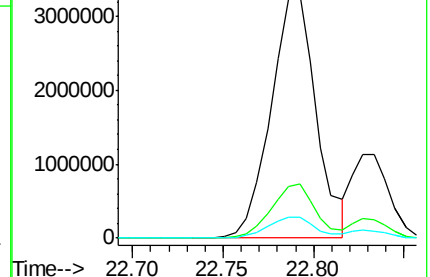
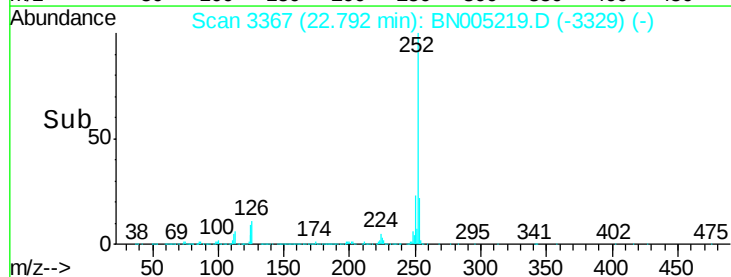
125 8.6 8.4 12.6

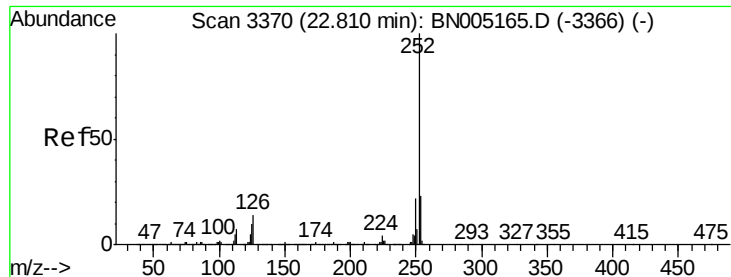


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 6.787 ng/ul

RT: 22.83 min Scan# 3373

Delta R.T. 0.02 min

Lab File: BN005219.D

Acq: 23 Apr 2019 17:48

Instrument :

BNA_N

ClientSampleId :

A5111

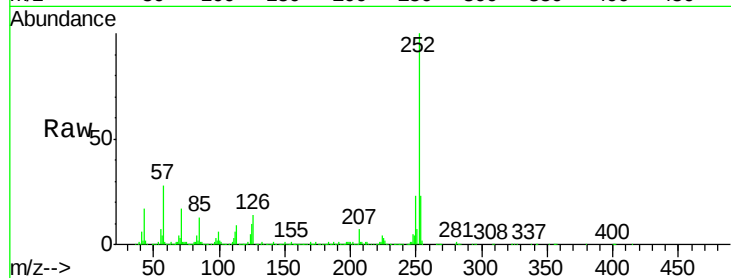
Tgt Ion:252 Resp: 1592239

Ion Ratio Lower Upper

252 100

253 22.7 17.4 26.0

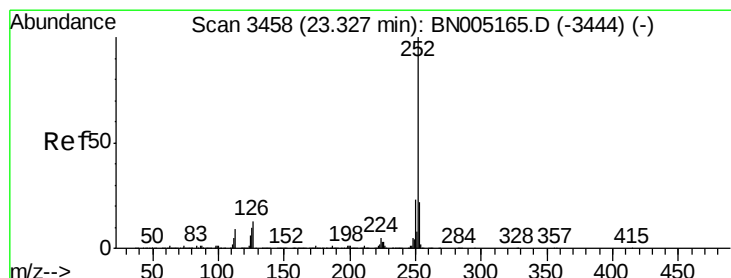
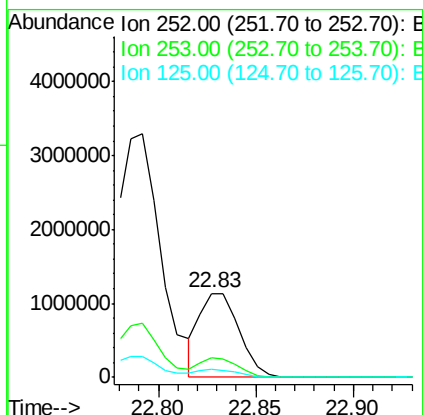
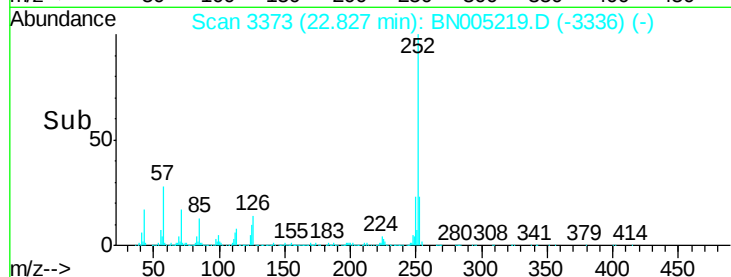
125 10.3 7.5 11.3



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



#90

Benzo(a)pyrene

Concen: 6.464 ng/ul

RT: 23.34 min Scan# 3461

Delta R.T. 0.02 min

Lab File: BN005219.D

Acq: 23 Apr 2019 17:48

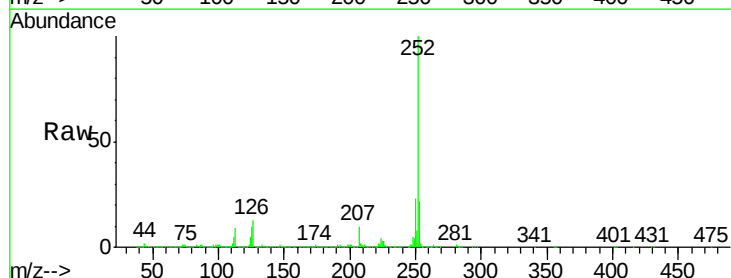
Tgt Ion:252 Resp: 1492286

Ion Ratio Lower Upper

252 100

253 21.8 17.3 25.9

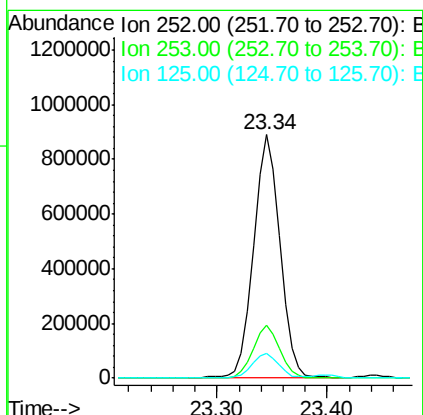
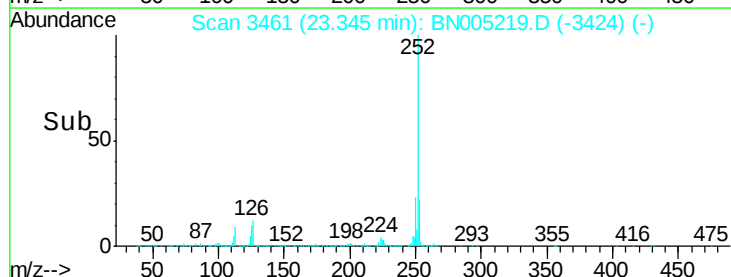
125 10.3 8.6 13.0

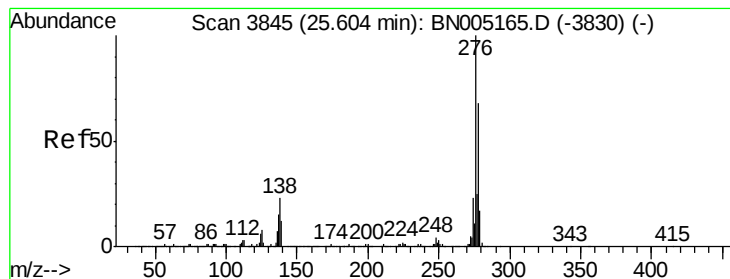


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Indeno(1,2,3-cd)pyrene

Concen: 8.452 ng/ul

RT: 25.62 min Scan# 3848

Delta R.T. 0.02 min

Lab File: BN005219.D

Acq: 23 Apr 2019 17:48

Instrument :

BNA_N

ClientSampleId :

A5111

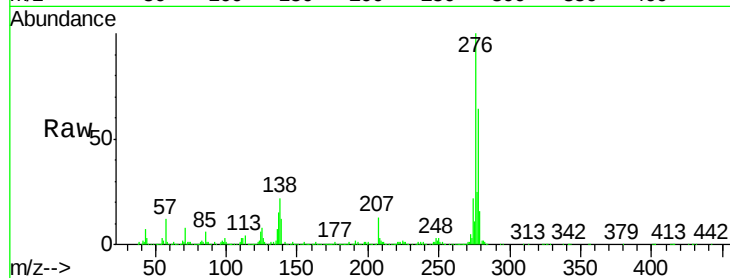
Tgt Ion:276 Resp: 2157528

Ion Ratio Lower Upper

276 100

138 21.7 17.9 26.9

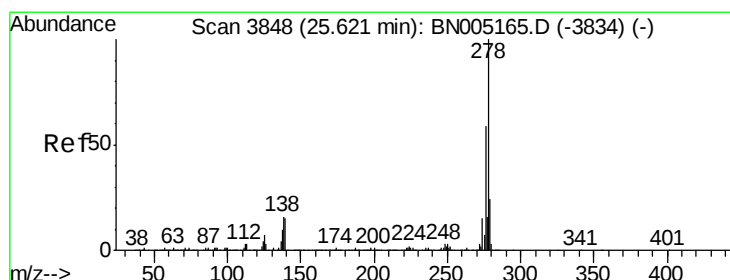
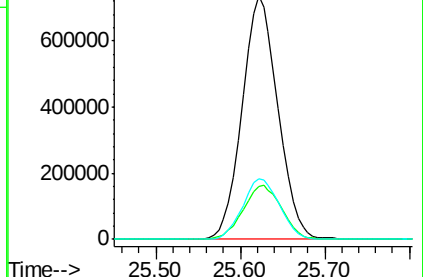
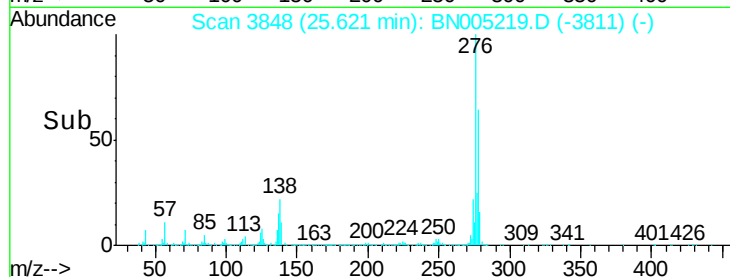
277 24.9 19.7 29.5



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



#92

Dibenzo(a,h)anthracene

Concen: 10.008 ng/ul

RT: 25.64 min Scan# 3851

Delta R.T. 0.02 min

Lab File: BN005219.D

Acq: 23 Apr 2019 17:48

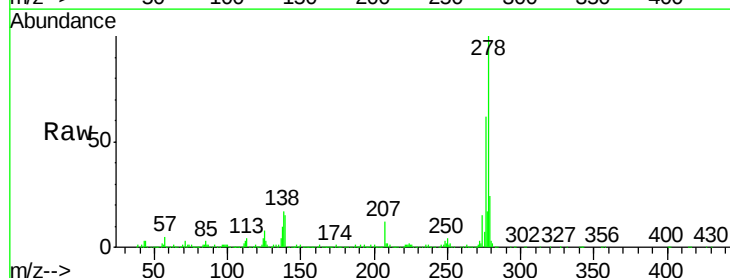
Tgt Ion:278 Resp: 2167930

Ion Ratio Lower Upper

278 100

139 14.7 13.1 19.7

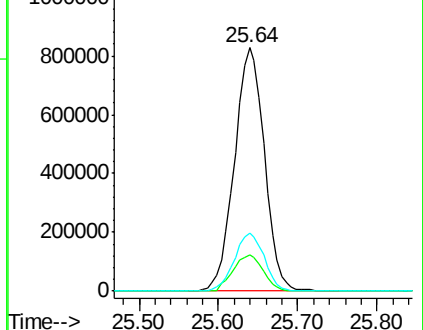
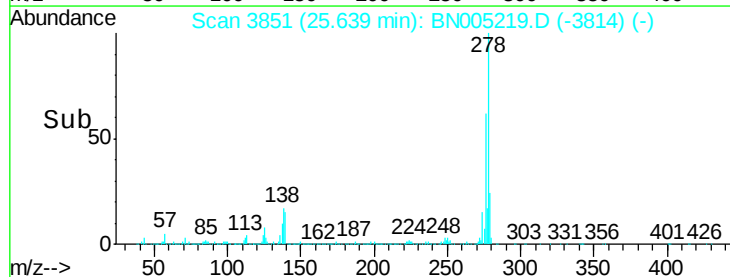
279 24.1 19.4 29.0

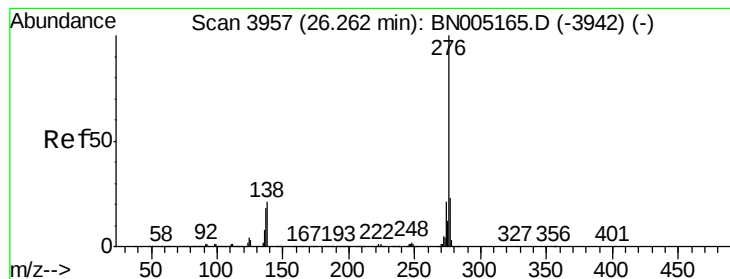


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#93

Benzo(g,h,i)perylene

Concen: 8.804 ng/ul

RT: 26.29 min Scan# 3961

Delta R.T. 0.02 min

Lab File: BN005219.D

Acq: 23 Apr 2019 17:48

Instrument :

BNA_N

ClientSampleId :

A5111

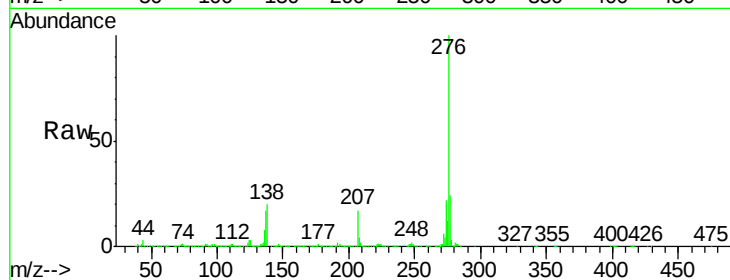
Tgt Ion:276 Resp: 1858222

Ion Ratio Lower Upper

276 100

138 19.7 16.7 25.1

277 23.9 18.2 27.2



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

