

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN100618\
 Data File : BN002963.D
 Acq On : 05 Oct 2018 12:47
 Operator : MJ/SJ
 Sample : J5184-06
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

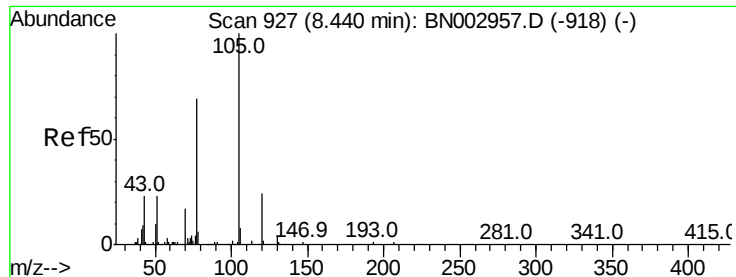
Quant Time: Oct 06 01:09:42 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN091418MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Oct 06 01:07:30 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	146278	20.00	ng/ul	0.00
18) Naphthalene-d8	10.40	136	657422	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.27	164	368174	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.02	188	725812	20.00	ng/ul	0.00
77) Chrysene-d12	21.23	240	497902	20.00	ng/ul	0.00
85) Perylene-d12	23.45	264	516680	20.00	ng/ul	0.02

System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.20	96	2123	0.67	ng/uL	0.00
5) Phenol-d5	6.83	99	44507	3.58	ng/ul	0.02
7) Bis-(2-Chloroethyl)ether-d	6.97	67	29010	3.76	ng/ul	0.00
9) 2-Chlorophenol-d4	7.18	132	38424	3.76	ng/ul	0.01
13) 4-Methylphenol-d8	8.36	113	35529	3.69	ng/ul	0.02
19) Nitrobenzene-d5	8.79	128	18175	3.57	ng/ul	0.01
22) 2-Nitrophenol-d4	9.50	143	19319	3.35	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.06	165	35114	3.38	ng/ul	0.03
29) 4-Chloroaniline-d4	10.56	131	28569	2.37	ng/ul	0.02
43) Dimethylphthalate-d6	13.68	166	115312	4.00	ng/ul	0.00
46) Acenaphthylene-d8	13.96	160	148760	3.95	ng/ul	0.00
51) 4-Nitrophenol-d4	14.56	143	9349	1.96	ng/ul	0.05
57) Fluorene-d10	15.27	176	104496	4.14	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.43	200	1192	0.26	ng/ul	0.02
70) Anthracene-d10	17.12	188	142864	4.12	ng/ul	0.00
78) Pyrene-d10	19.43	212	116792	4.45	ng/ul	0.01
89) Benzo(a)pyrene-d12	23.30	264	109149	4.01	ng/ul	0.02

Target Compounds				Ovalue		
14) Acetophenone	8.45	105	32959	2.224	ng/ul	96
44) Dimethylphthalate	13.73	163	92085	3.274	ng/ul	96
69) Phenanthrene	17.06	178	285530	7.140	ng/ul	100
71) Anthracene	17.16	178	69153	1.706	ng/ul	98
74) Carbazole	17.43	167	44140	1.269	ng/ul	97
75) Di-n-butylphthalate	17.99	149	77896	1.866	ng/ul	96
76) Fluoranthene	19.09	202	513780	12.044	ng/ul	98
79) Pyrene	19.46	202	478500	14.535	ng/ul	98
80) Butylbenzylphthalate	20.36	149	103587	7.562	ng/ul	97
82) Benzo(a)anthracene	21.22	228	258945	8.360	ng/ul	99
83) Bis(2-ethylhexyl)phthalate	21.15	149	190183	9.563	ng/ul#	98
84) Chrysene	21.27	228	591567	20.376	ng/ul	99
87) Benzo(b)fluoranthene	22.79	252	598729	18.974	ng/ul#	89
88) Benzo(k)fluoranthene	22.79	252	598729	20.338	ng/ul#	91
90) Benzo(a)pyrene	23.35	252	223109	7.479	ng/ul#	87
91) Indeno(1,2,3-cd)pyrene	25.65	276	231236	6.547	ng/ul	98
92) Dibenzo(a,h)anthracene	25.64	278	65355	2.196	ng/ul#	71
93) Benzo(g,h,i)perylene	26.33	276	221298	7.496	ng/ul	96

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



#14

Acetophenone

Concen: 2.224 ng/ul

RT: 8.45 min Scan# 929

Delta R.T. 0.01 min

Lab File: BN002963.D

Acq: 05 Oct 2018 12:47

Instrument :

BNA_N

ClientSampleId :

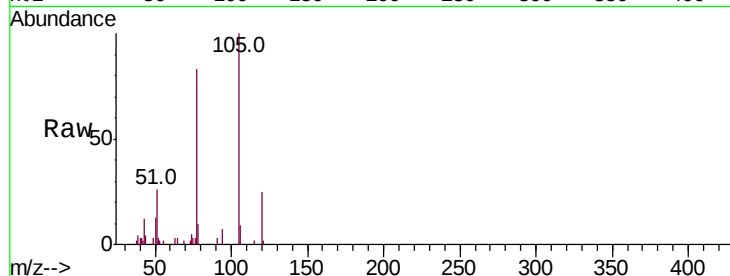
Tot Ion:105 Resp: 32959

Ion Ratio Lower Upper

105 100

77 82.8 62.9 94.3

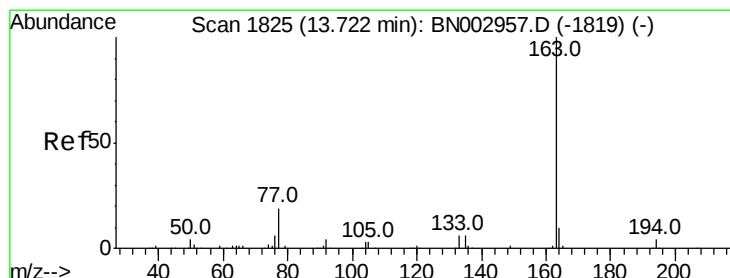
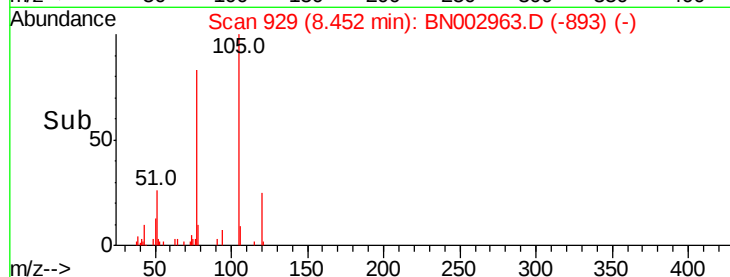
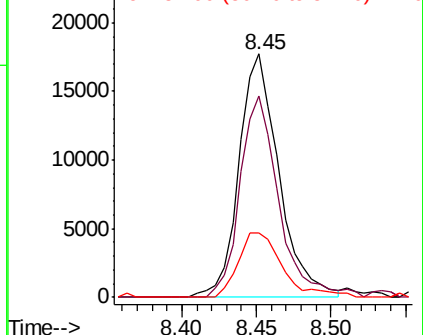
51 26.3 21.9 32.9



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



#44

Dimethylphthalate

Concen: 3.274 ng/ul

RT: 13.73 min Scan# 1826

Delta R.T. 0.01 min

Lab File: BN002963.D

Acq: 05 Oct 2018 12:47

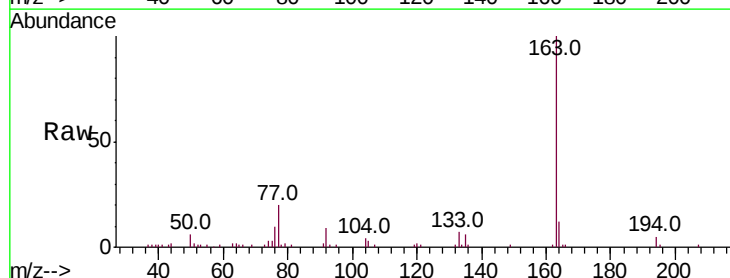
Tgt Ion:163 Resp: 92085

Ion Ratio Lower Upper

163 100

194 4.7 3.5 5.3

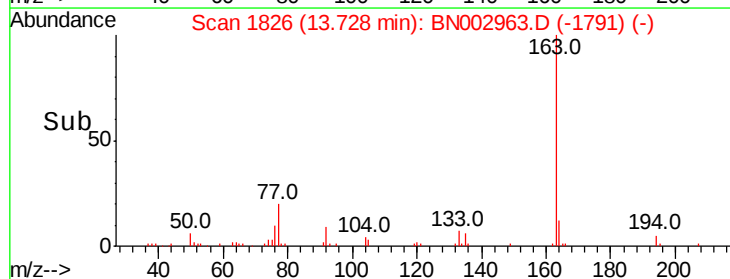
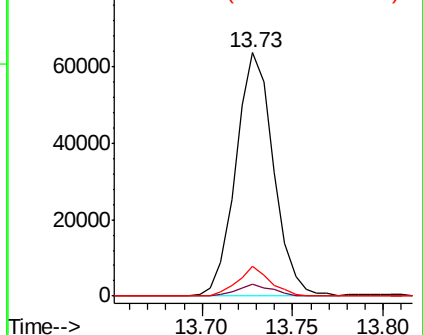
164 12.1 8.1 12.1

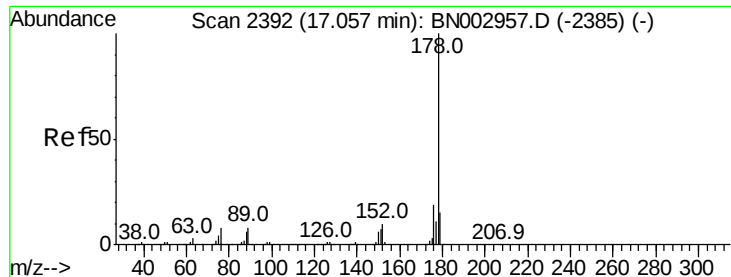


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#69

Phenanthrene

Concen: 7.140 ng/ul

RT: 17.06 min Scan# 2393

Delta R.T. 0.01 min

Lab File: BN002963.D

Acq: 05 Oct 2018 12:47

Instrument :

BNA_N

ClientSampled :

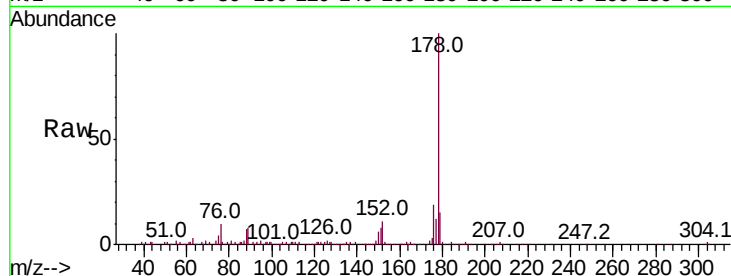
Tot Ion:178 Resp: 285530

Ion Ratio Lower Upper

178 100

179 15.2 12.2 18.4

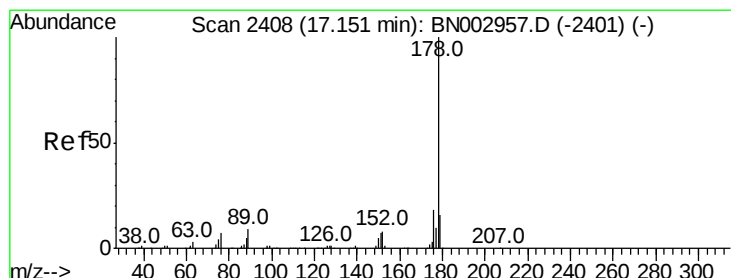
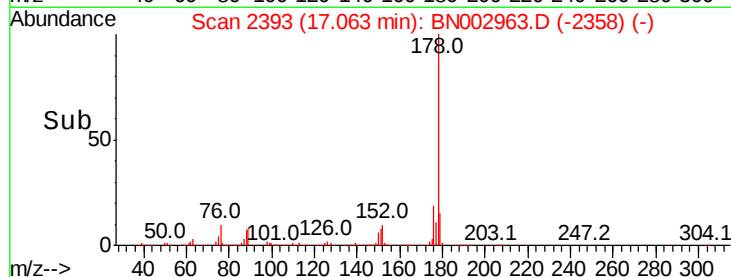
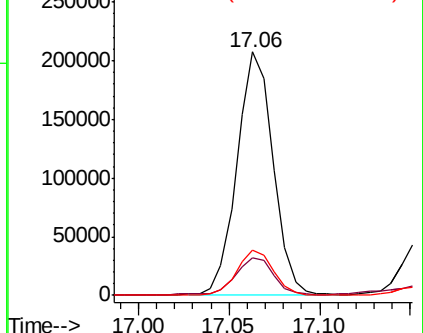
176 18.6 15.0 22.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#71

Anthracene

Concen: 1.706 ng/ul

RT: 17.16 min Scan# 2409

Delta R.T. 0.01 min

Lab File: BN002963.D

Acq: 05 Oct 2018 12:47

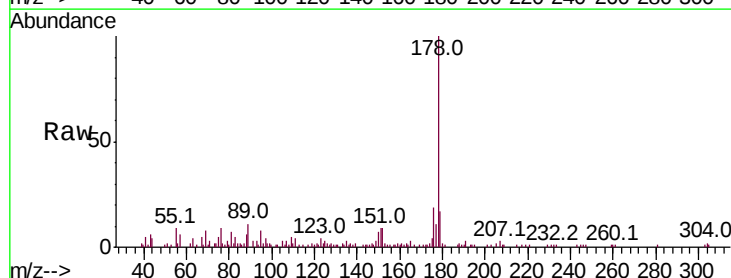
Tgt Ion:178 Resp: 69153

Ion Ratio Lower Upper

178 100

179 16.8 12.0 18.0

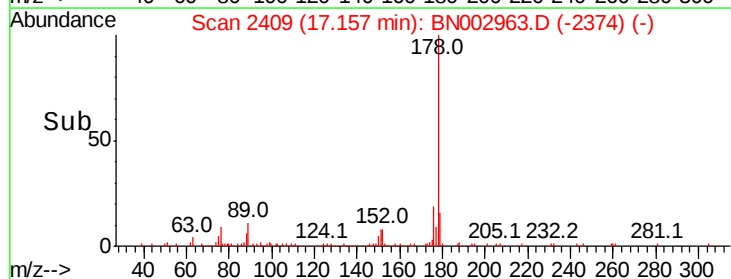
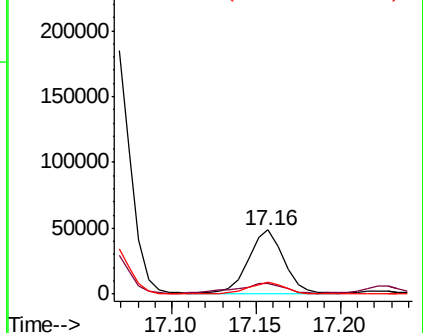
176 19.0 15.0 22.4

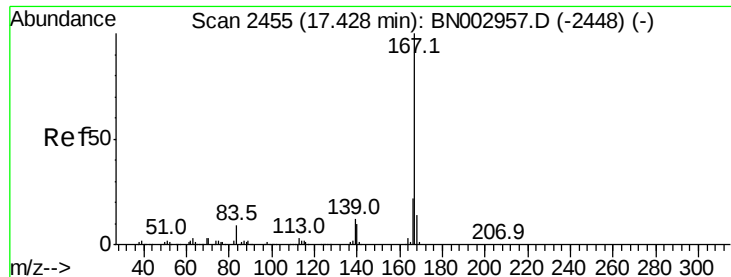


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#74

Carbazole

Concen: 1.269 ng/ul

RT: 17.43 min Scan# 2456

Delta R.T. 0.01 min

Lab File: BN002963.D

Acq: 05 Oct 2018 12:47

Instrument :

BNA_N

ClientSampleId :

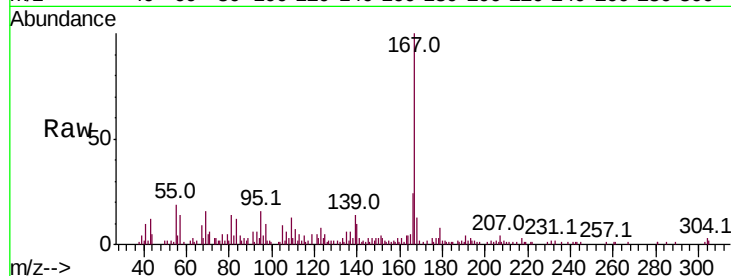
Tot Ion:167 Resp: 44140

Ion Ratio Lower Upper

167 100

166 23.7 17.0 25.6

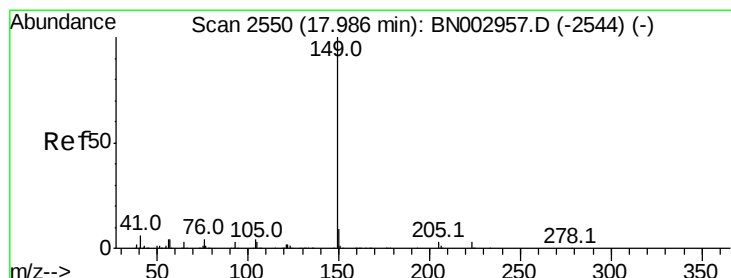
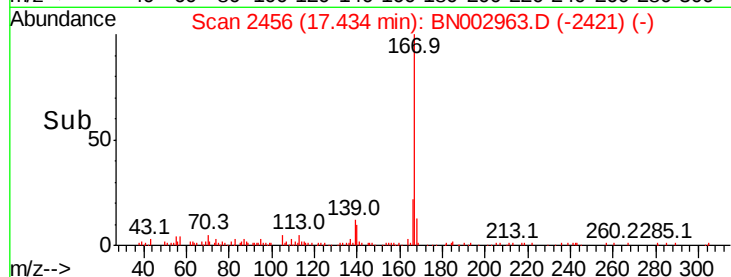
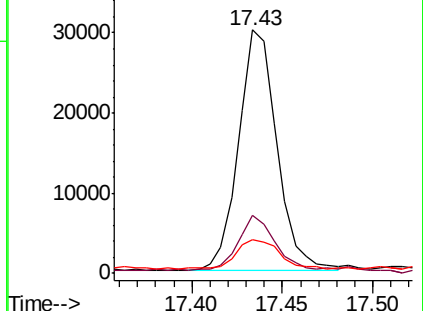
139 13.8 10.7 16.1



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



#75

Di-n-butylphthalate

Concen: 1.866 ng/ul

RT: 17.99 min Scan# 2551

Delta R.T. 0.01 min

Lab File: BN002963.D

Acq: 05 Oct 2018 12:47

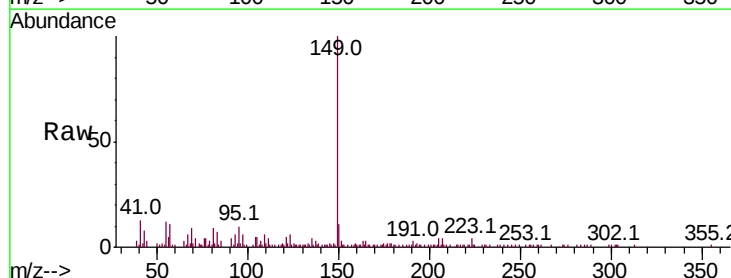
Tgt Ion:149 Resp: 77896

Ion Ratio Lower Upper

149 100

150 10.8 7.3 10.9

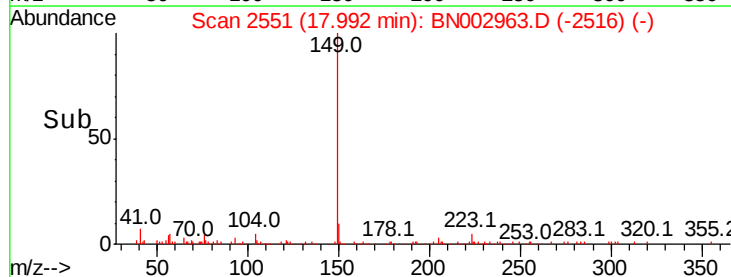
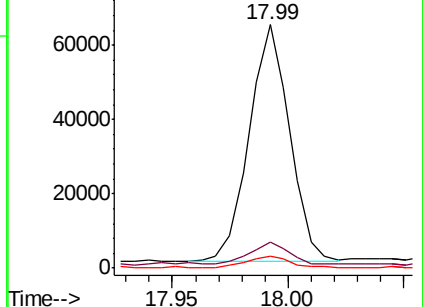
104 5.1 3.7 5.5

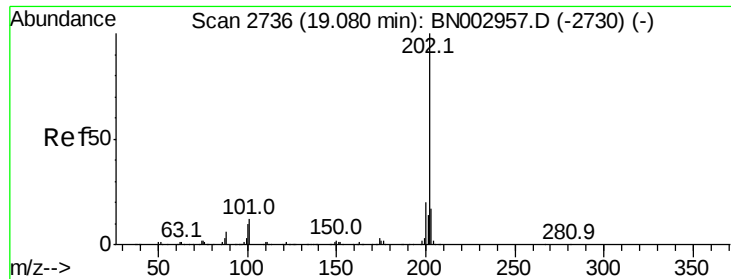


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#76

Fluoranthene

Concen: 12.044 ng/ul

RT: 19.09 min Scan# 2738

Delta R.T. 0.01 min

Lab File: BN002963.D

Acq: 05 Oct 2018 12:47

Instrument :

BNA_N

ClientSampleId :

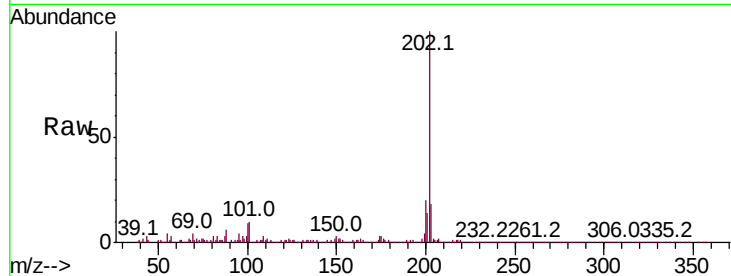
Tot Ion:202 Resp: 513780

Ion Ratio Lower Upper

202 100

101 10.5 9.4 14.2

100 8.8 7.0 10.6

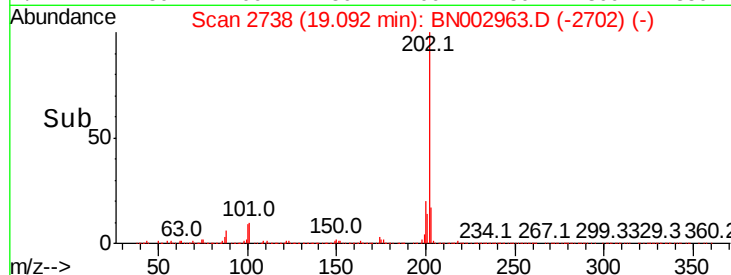


Abundance Ion 202.00 (201.70 to 202.70): E

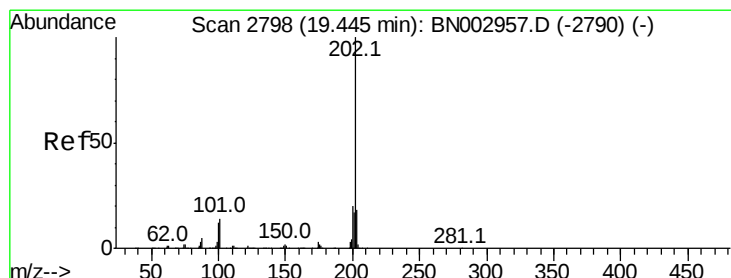
Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

19.09



Time-->



#79

Pyrene

Concen: 14.535 ng/ul

RT: 19.46 min Scan# 2800

Delta R.T. 0.01 min

Lab File: BN002963.D

Acq: 05 Oct 2018 12:47

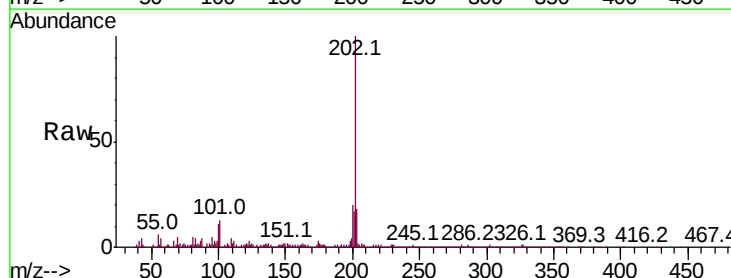
Tgt Ion:202 Resp: 478500

Ion Ratio Lower Upper

202 100

101 12.9 10.8 16.2

100 11.1 8.2 12.2

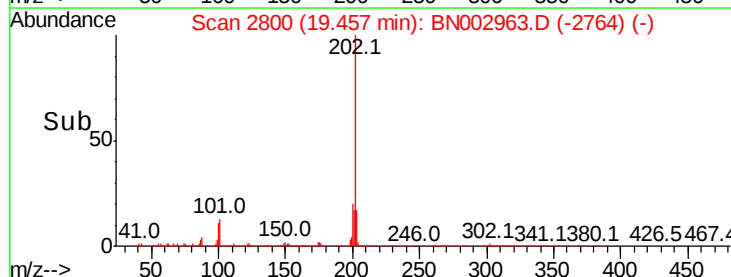


Abundance Ion 202.00 (201.70 to 202.70): E

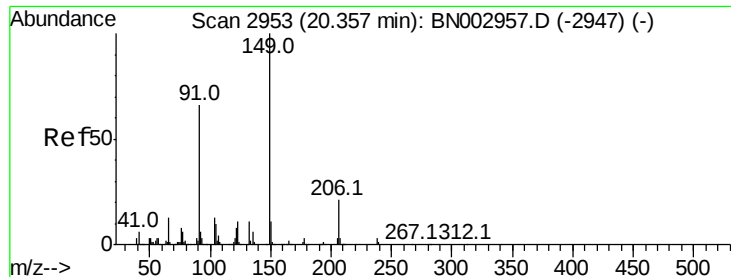
Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

19.46



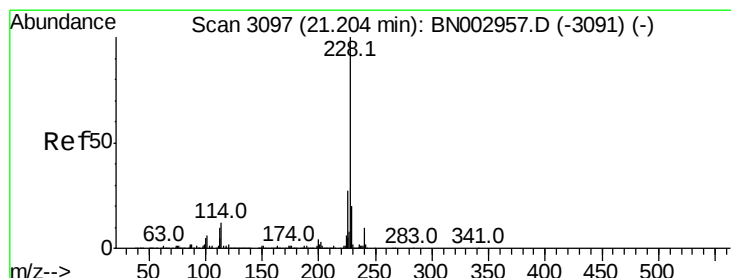
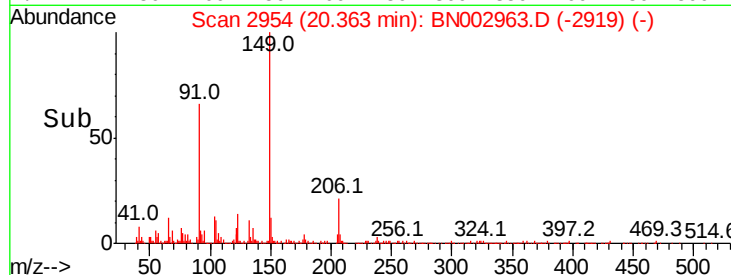
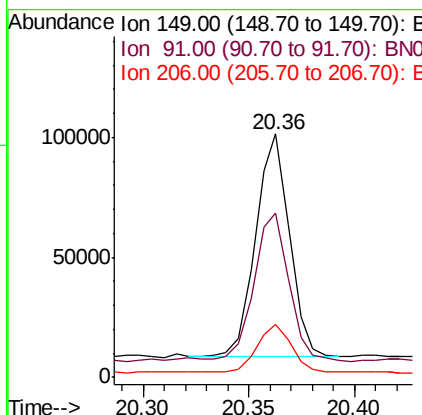
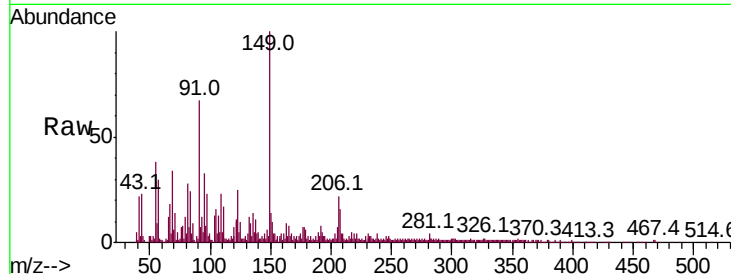
Time-->



#80
 Butylbenzylphthalate
 Concen: 7.562 ng/ul
 RT: 20.36 min Scan# 2954
 Delta R.T. 0.01 min
 Lab File: BN002963.D
 Acq: 05 Oct 2018 12:47

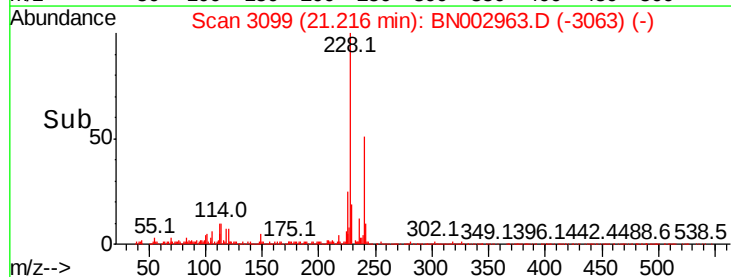
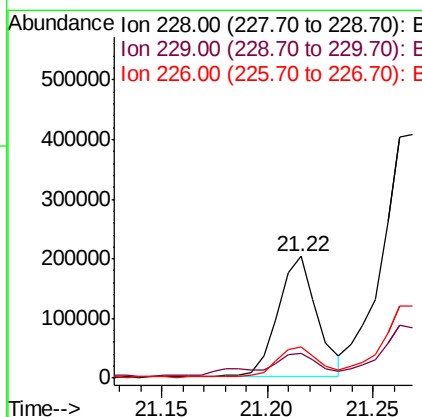
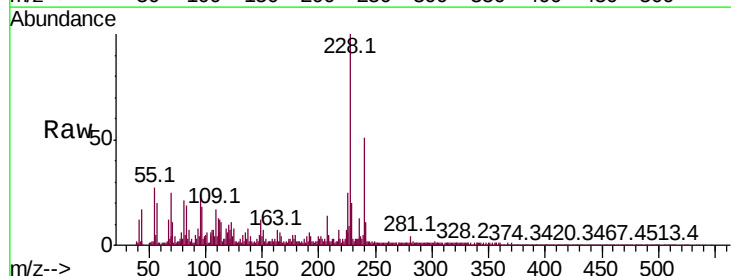
Instrument :
 BNA_N
 ClientSampleId :

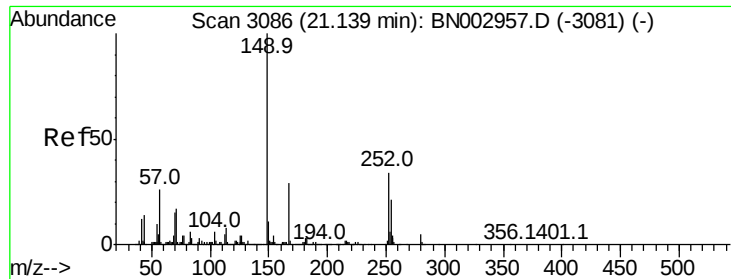
Tot Ion	Ratio	Lower	Upper
149	100		
91	67.3	56.3	84.5
206	21.6	16.8	25.2



#82
 Benzo(a)anthracene
 Concen: 8.360 ng/ul
 RT: 21.22 min Scan# 3099
 Delta R.T. 0.01 min
 Lab File: BN002963.D
 Acq: 05 Oct 2018 12:47

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.1	15.8	23.6
226	25.3	20.9	31.3





#83

Bis(2-ethylhexyl)phthalate

Concen: 9.563 ng/ul

RT: 21.15 min Scan# 3087

Delta R.T. 0.01 min

Lab File: BN002963.D

Acq: 05 Oct 2018 12:47

Instrument :

BNA_N

ClientSampled :

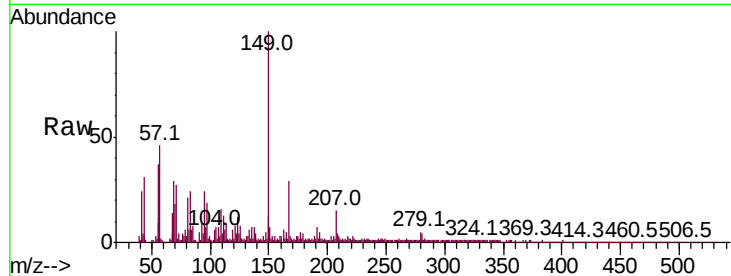
Tot Ion:149 Resp: 190183

Ion Ratio Lower Upper

149 100

167 28.7 22.0 33.0

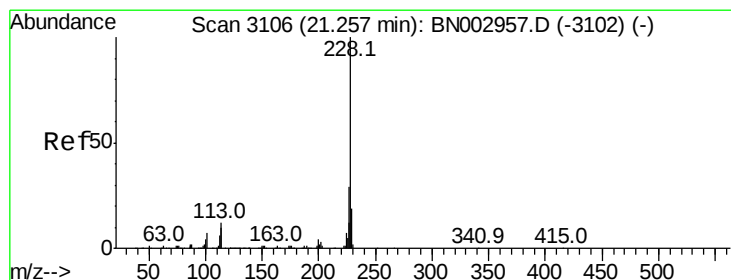
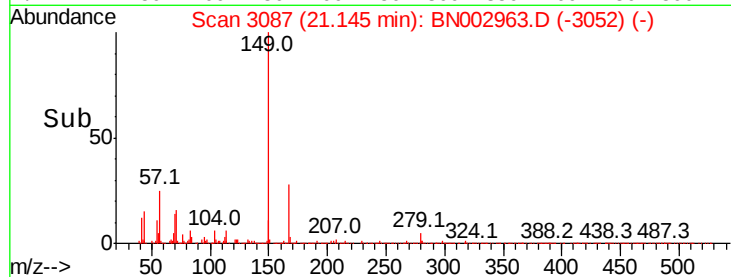
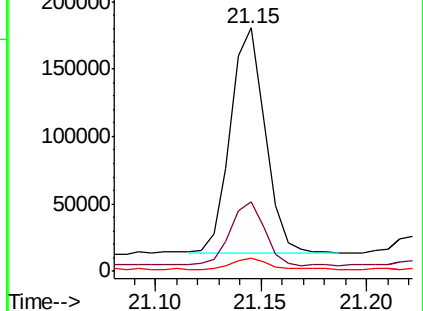
279 5.2 3.3 4.9#



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



#84

Chrysene

Concen: 20.376 ng/ul

RT: 21.27 min Scan# 3108

Delta R.T. 0.01 min

Lab File: BN002963.D

Acq: 05 Oct 2018 12:47

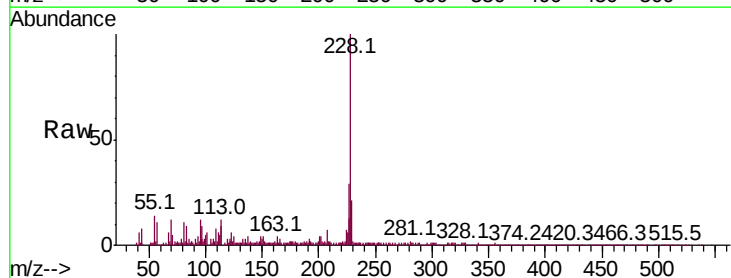
Tgt Ion:228 Resp: 591567

Ion Ratio Lower Upper

228 100

226 29.4 23.4 35.0

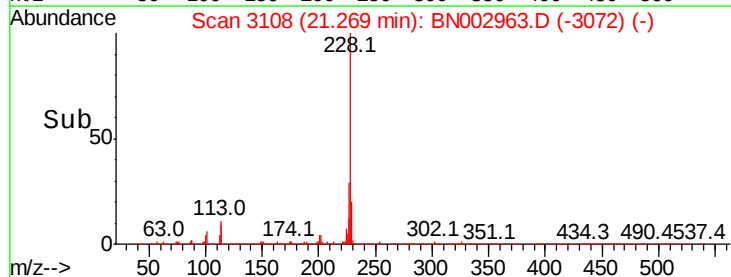
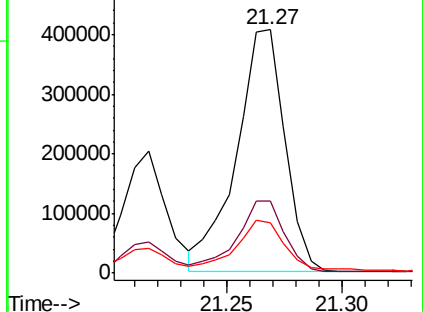
229 20.6 15.7 23.5

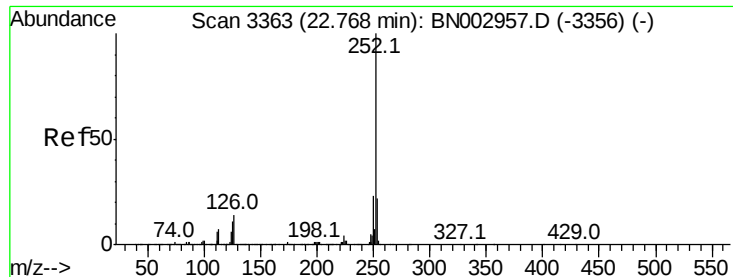


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#87

Benzo(b)fluoranthene

Concen: 18.974 ng/ul

RT: 22.79 min Scan# 3366

Delta R.T. 0.02 min

Lab File: BN002963.D

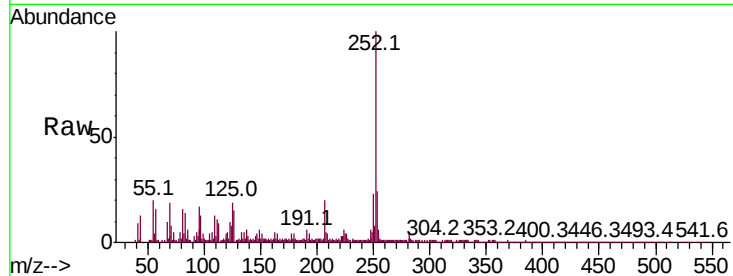
Acq: 05 Oct 2018 12:47

Instrument :

BNA_N

ClientSampleId :

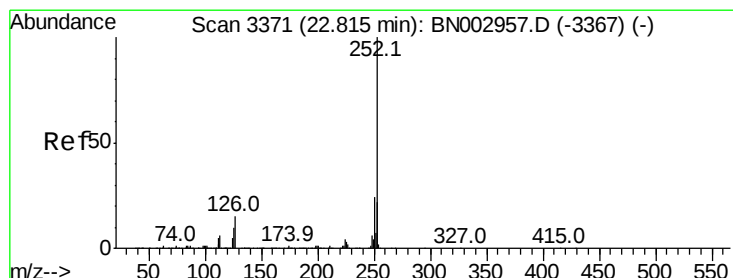
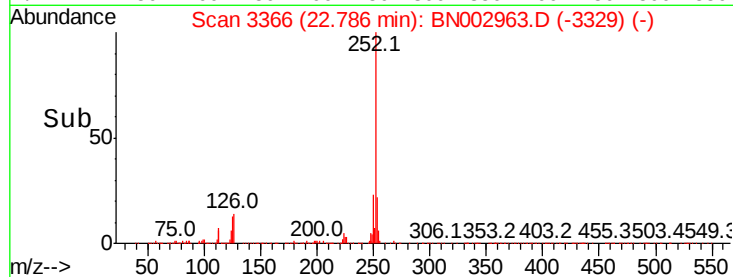
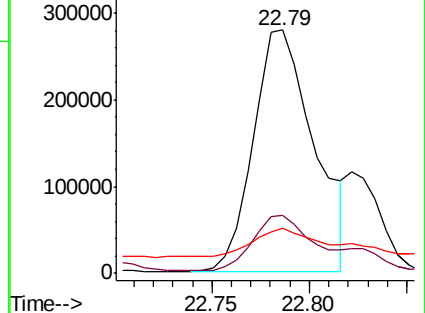
Tot Ion:252	Resp:	598729
Ion	Ratio	Lower Upper
252	100	
253	23.6	17.0 25.4
125	18.6	8.0 12.0#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 20.338 ng/ul

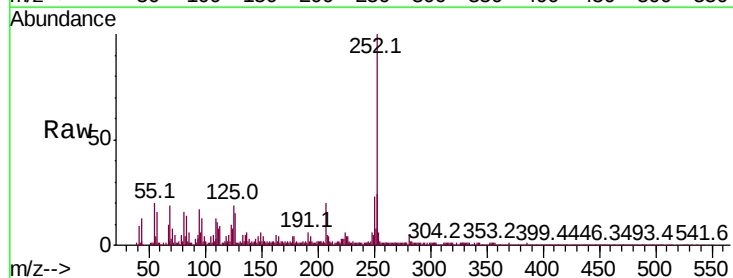
RT: 22.79 min Scan# 3366

Delta R.T. -0.03 min

Lab File: BN002963.D

Acq: 05 Oct 2018 12:47

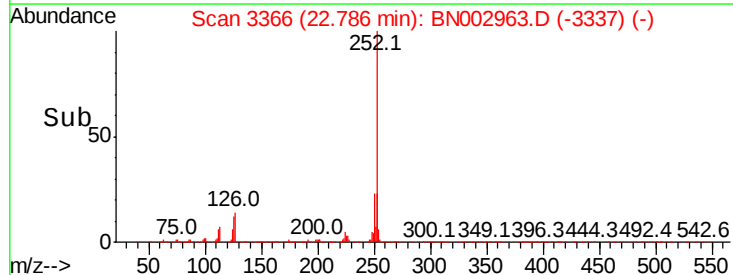
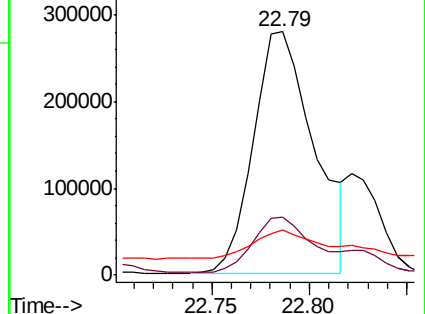
Tgt Ion:252	Resp:	598729
Ion	Ratio	Lower Upper
252	100	
253	23.6	17.8 26.8
125	18.6	8.3 12.5#

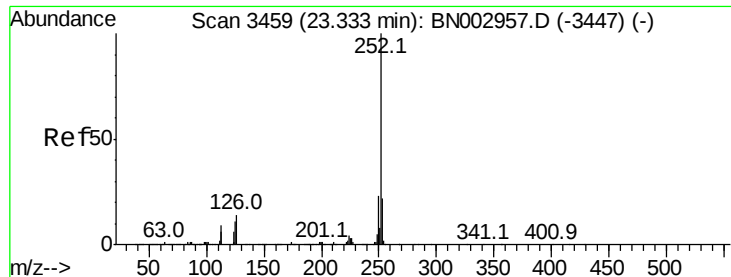


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 7.479 ng/ul

RT: 23.35 min Scan# 3461

Delta R.T. 0.01 min

Lab File: BN002963.D

Acq: 05 Oct 2018 12:47

Instrument :

BNA_N

ClientSampleId :

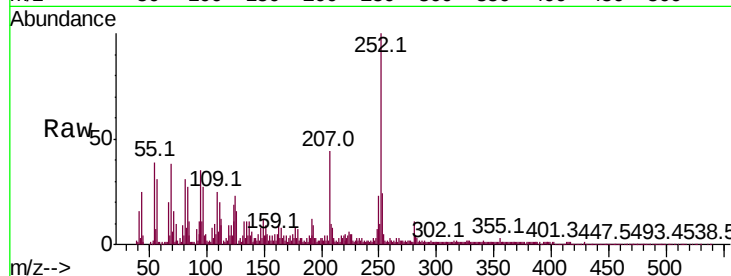
Tot Ion:252 Resp: 223109

Ion Ratio Lower Upper

252 100

253 24.0 17.6 26.4

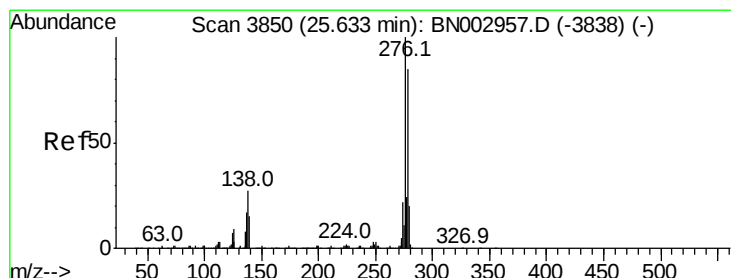
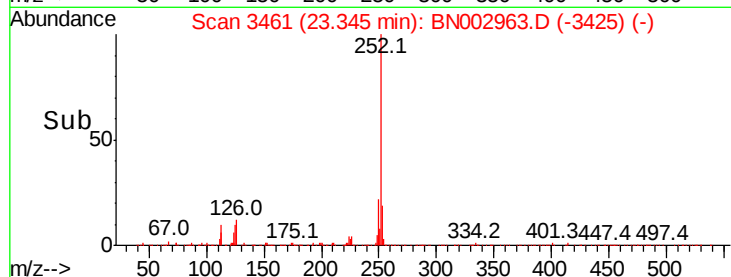
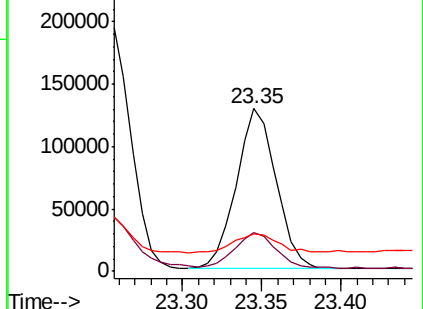
125 22.8 8.8 13.2#



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

Indeno(1,2,3-cd)pyrene

Concen: 6.547 ng/ul

RT: 25.65 min Scan# 3853

Delta R.T. 0.02 min

Lab File: BN002963.D

Acq: 05 Oct 2018 12:47

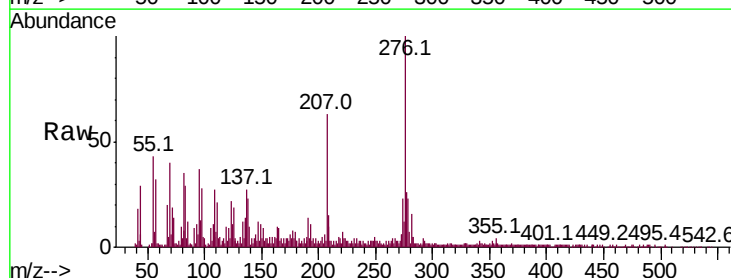
Tgt Ion:276 Resp: 231236

Ion Ratio Lower Upper

276 100

138 23.4 20.2 30.4

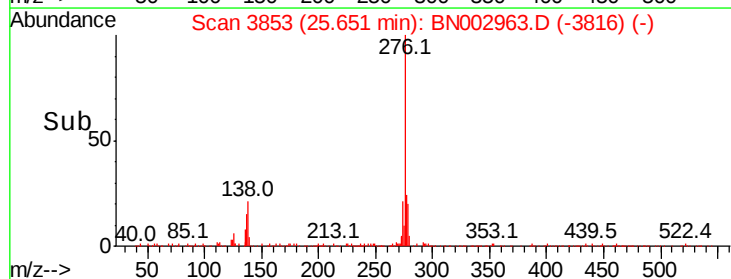
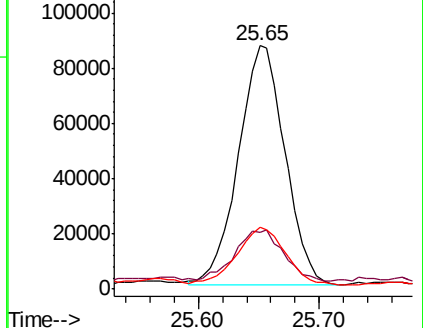
277 25.6 20.0 30.0

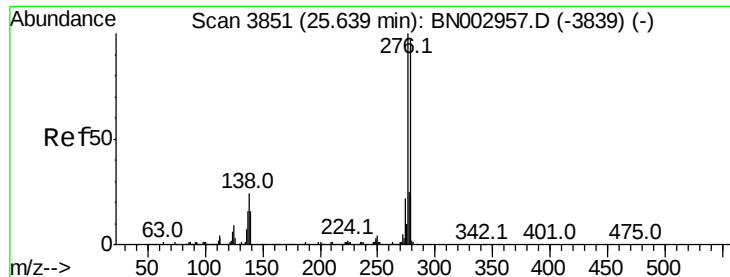


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#92

Dibenzo(a,h)anthracene

Concen: 2.196 ng/ul

RT: 25.64 min Scan# 3852

Delta R.T. 0.01 min

Lab File: BN002963.D

Acq: 05 Oct 2018 12:47

Instrument :

BNA_N

ClientSampleId :

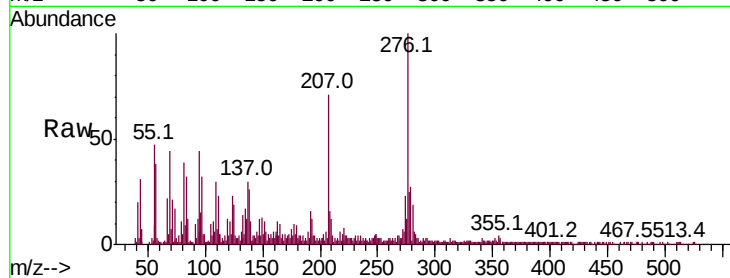
Tot Ion:278 Resp: 65355

Ion Ratio Lower Upper

278 100

139 40.0 12.7 19.1#

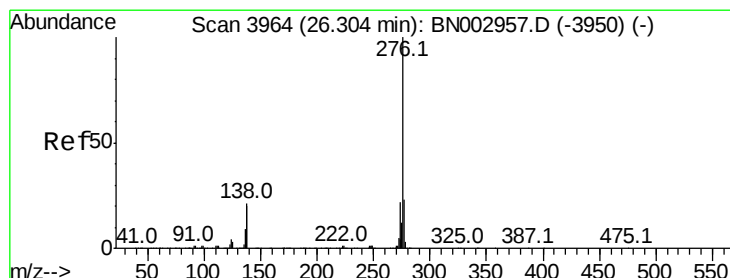
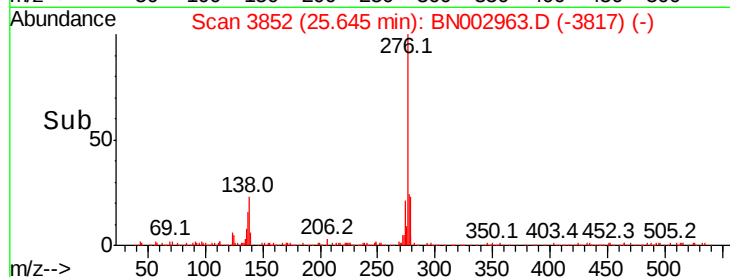
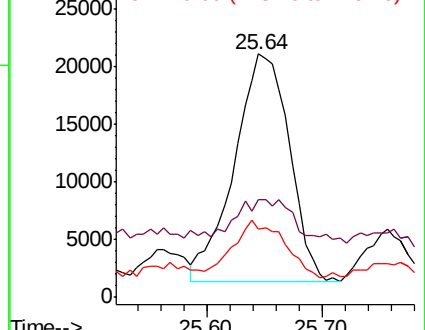
279 27.9 18.7 28.1



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: 7.496 ng/ul

RT: 26.33 min Scan# 3969

Delta R.T. 0.03 min

Lab File: BN002963.D

Acq: 05 Oct 2018 12:47

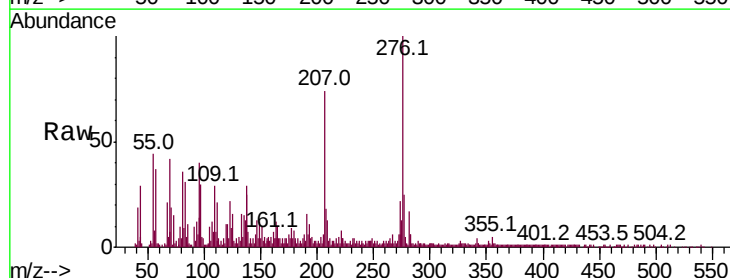
Tgt Ion:276 Resp: 221298

Ion Ratio Lower Upper

276 100

138 24.8 18.2 27.2

277 25.0 18.6 28.0



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

