

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN091218\
 Data File : BN002664.D
 Acq On : 12 Sep 2018 20:38
 Operator : JU/SJ
 Sample : J4792-16
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Sep 13 06:00:59 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN081318MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Sep 13 05:59:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	212407	20.00	ng/ul	0.00
18) Naphthalene-d8	10.43	136	941991	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.29	164	533129	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.05	188	1041271	20.00	ng/ul	0.00
77) Chrysene-d12	21.25	240	704595	20.00	ng/ul	0.00
85) Perylene-d12	23.47	264	698619	20.00	ng/ul	0.00

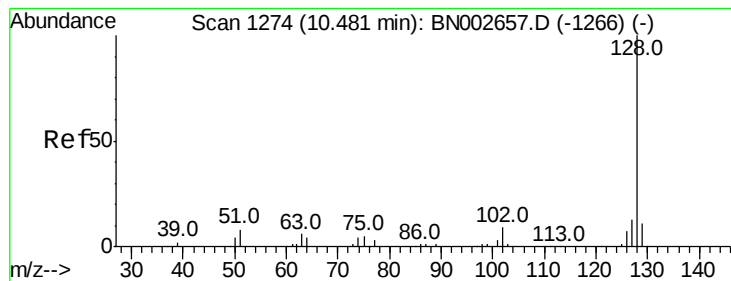
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.23	96	12196	2.71	ng/uL	0.00
5) Phenol-d5	6.85	99	301460	15.48	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.00	67	197974	16.18	ng/ul	0.00
9) 2-Chlorophenol-d4	7.20	132	232931	15.70	ng/ul	0.00
13) 4-Methylphenol-d8	8.37	113	247101	15.87	ng/ul	0.00
19) Nitrobenzene-d5	8.81	128	129446	17.26	ng/ul	0.00
22) 2-Nitrophenol-d4	9.52	143	122310	15.51	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.06	165	219659	15.16	ng/ul	0.00
29) 4-Chloroaniline-d4	10.58	131	220698	14.09	ng/ul	0.00
43) Dimethylphthalate-d6	13.70	166	831244	18.81	ng/ul	0.00
46) Acenaphthylene-d8	13.98	160	1034501	19.08	ng/ul	0.00
51) 4-Nitrophenol-d4	14.53	143	143	0.02	ng/ul	0.01
57) Fluorene-d10	15.29	176	704020	18.37	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.44	200	1777	0.27	ng/ul	0.01
70) Anthracene-d10	17.14	188	970805	19.52	ng/ul	0.00
78) Pyrene-d10	19.45	212	835019	24.77	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.33	264	712339	19.50	ng/ul	0.00

Target Compounds

					Ovalue	
28) Naphthalene	10.48	128	78797	1.626	ng/ul	99
34) 2-Methylnaphthalene	12.10	142	43161	1.207	ng/ul	93
44) Dimethylphthalate	13.75	163	433092	9.992	ng/ul	99
49) Acenaphthene	14.36	153	165966	4.558	ng/ul	97
53) Dibenzofuran	14.69	168	88229	1.718	ng/ul	100
58) Fluorene	15.35	166	160306	3.814	ng/ul	97
69) Phenanthrene	17.09	178	2770459	48.263	ng/ul	99
71) Anthracene	17.17	178	607711	10.438	ng/ul	99
74) Carbazole	17.45	167	174341	3.377	ng/ul	98
76) Fluoranthene	19.12	202	2957981	45.275	ng/ul	100
79) Pyrene	19.48	202	3454845	81.319	ng/ul	100
82) Benzo(a)anthracene	21.23	228	1277168	29.587	ng/ul	98
83) Bis(2-ethylhexyl)phthalate	21.16	149	42261	1.565	ng/ul#	84
84) Chrysene	21.29	228	1319672	32.301	ng/ul	98
87) Benzo(b)fluoranthene	22.81	252	1393383	33.273	ng/ul#	95
88) Benzo(k)fluoranthene	22.81	252	1393383	35.319	ng/ul#	94
90) Benzo(a)pyrene	23.37	252	1086791	27.244	ng/ul	95
91) Indeno(1,2,3-cd)pyrene	25.69	276	727281	15.325	ng/ul#	92
92) Dibenzo(a,h)anthracene	25.69	278	198242	4.997	ng/ul#	85
93) Benzo(g,h,i)perylene	26.37	276	686107	17.327	ng/ul	97

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



#28

Naphthalene

Concen: 1.626 ng/ul

RT: 10.48 min Scan# 1274

Delta R.T. -0.00 min

Lab File: BN002664.D

Acq: 12 Sep 2018 20:38

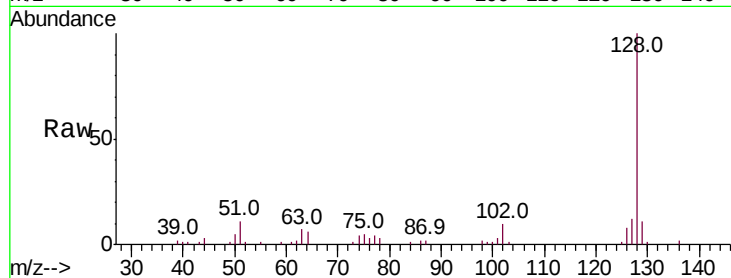
Instrument :

BNA_N

ClientSampleId :

Tot Ion:128 Resp: 78797

Ion	Ratio	Lower	Upper
128	100		
129	10.5	8.8	13.2
127	12.5	10.5	15.7

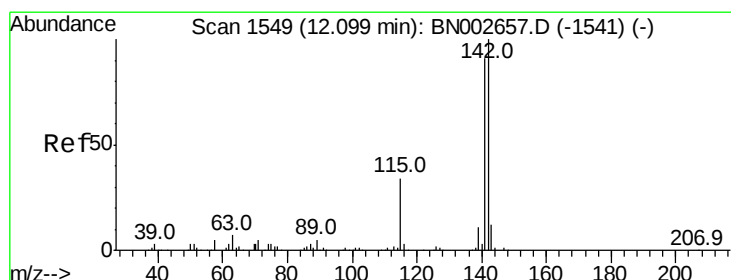
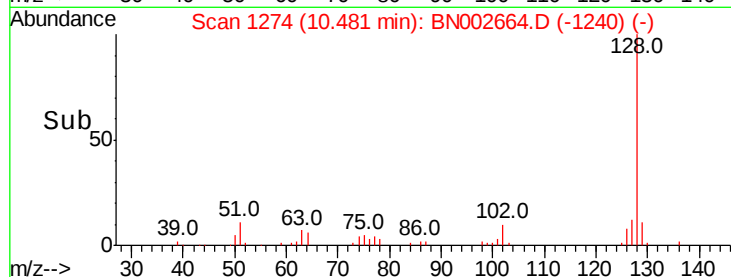
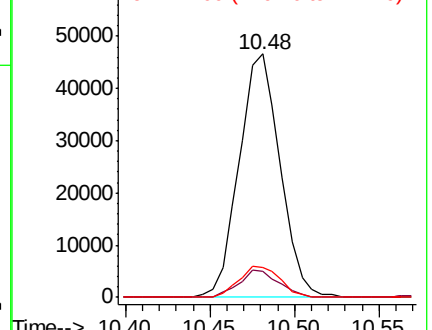


Abundance

Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#34

2-Methylnaphthalene

Concen: 1.207 ng/ul

RT: 12.10 min Scan# 1549

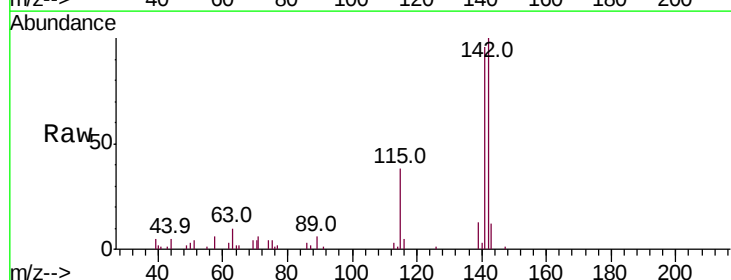
Delta R.T. -0.00 min

Lab File: BN002664.D

Acq: 12 Sep 2018 20:38

Tgt Ion:142 Resp: 43161

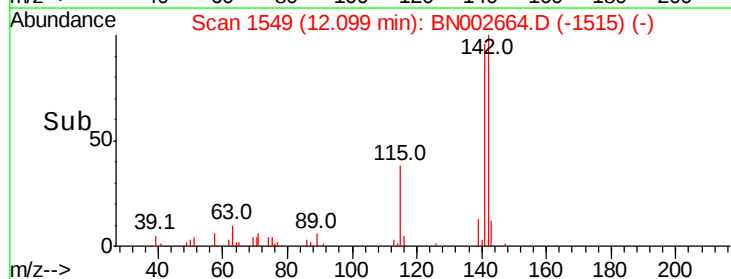
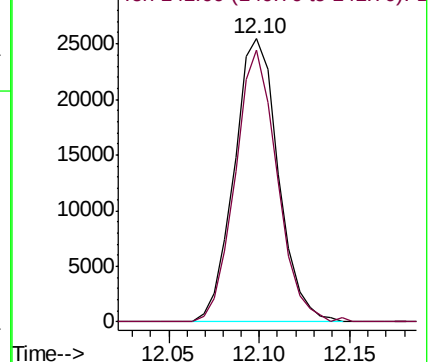
Ion	Ratio	Lower	Upper
142	100		
141	95.9	71.6	107.4

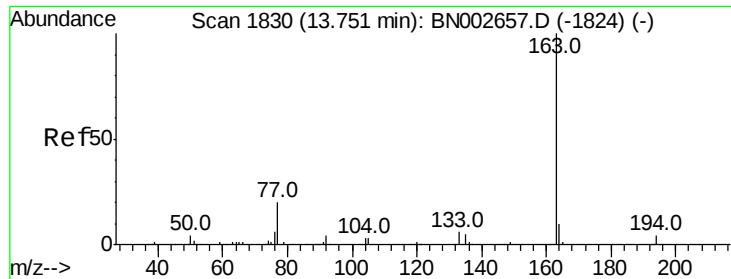


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

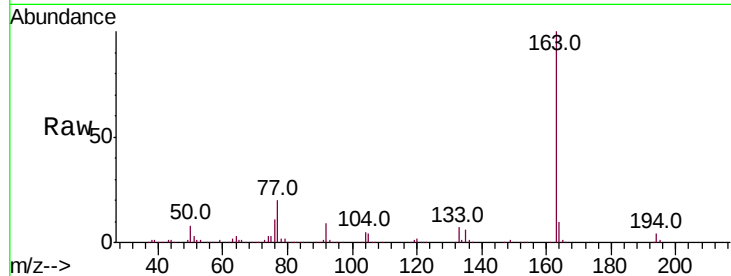




#44
Dimethylphthalate
Concen: 9.992 ng/ul
RT: 13.75 min Scan# 1830
Delta R.T. -0.00 min
Lab File: BN002664.D
Acq: 12 Sep 2018 20:38

Instrument :
BNA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.2	4.8
164	10.2	7.8	11.8

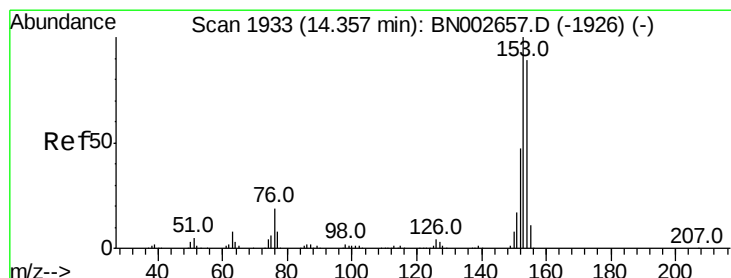
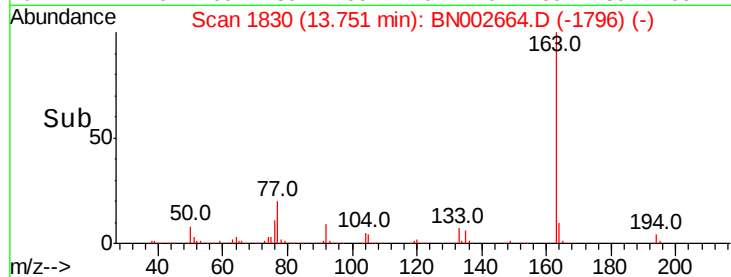
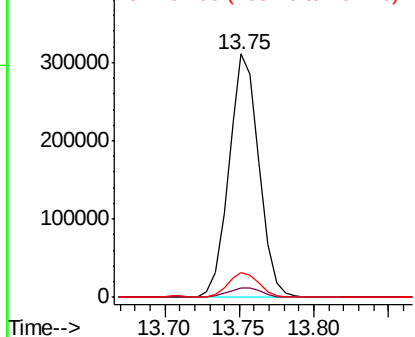


Abundance

Ion 163.00 (162.70 to 163.70): E

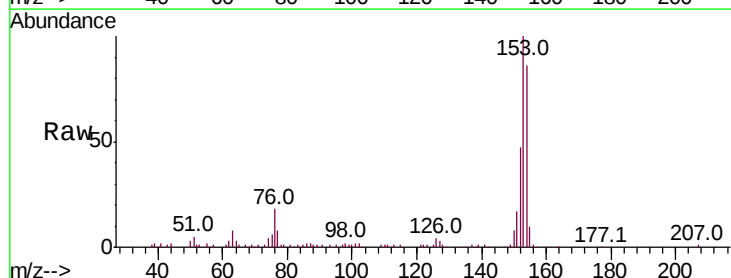
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#49
Acenaphthene
Concen: 4.558 ng/ul
RT: 14.36 min Scan# 1933
Delta R.T. -0.00 min
Lab File: BN002664.D
Acq: 12 Sep 2018 20:38

Tgt Ion	Ratio	Lower	Upper
153	100		
152	47.1	38.3	57.5
154	86.5	71.8	107.8

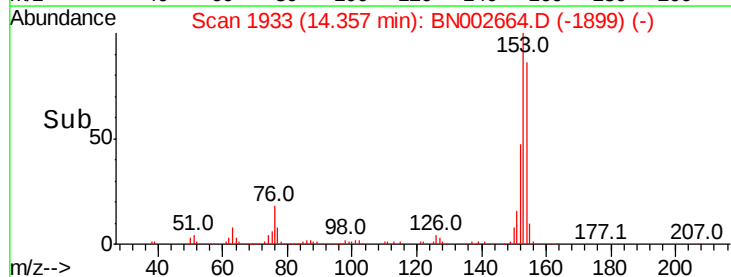
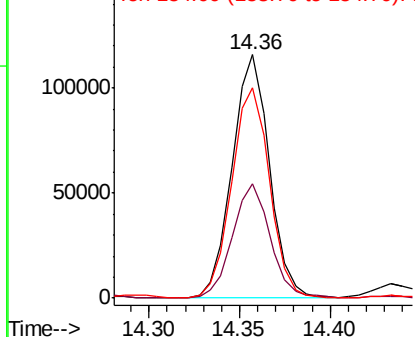


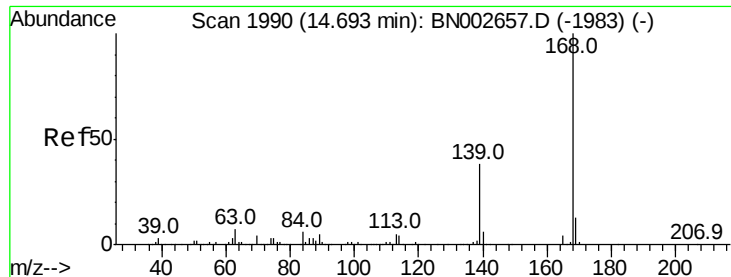
Abundance

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

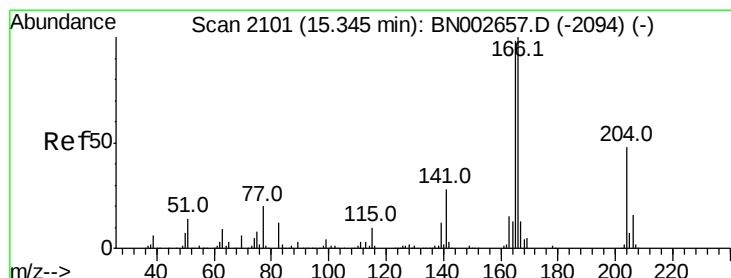
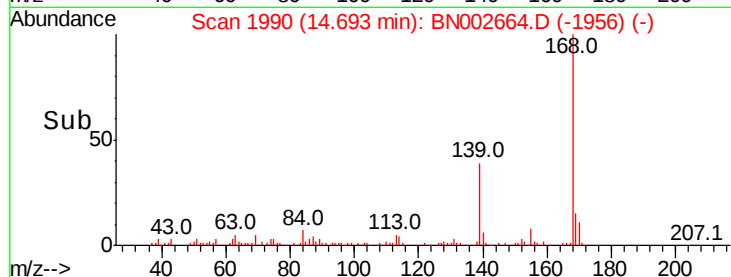
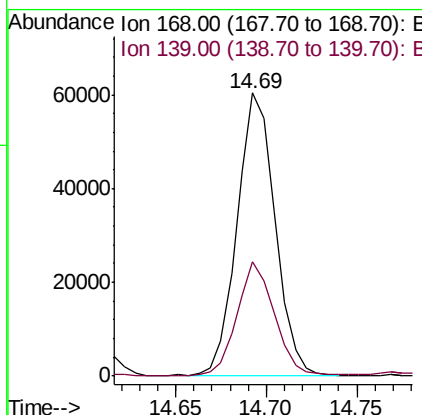
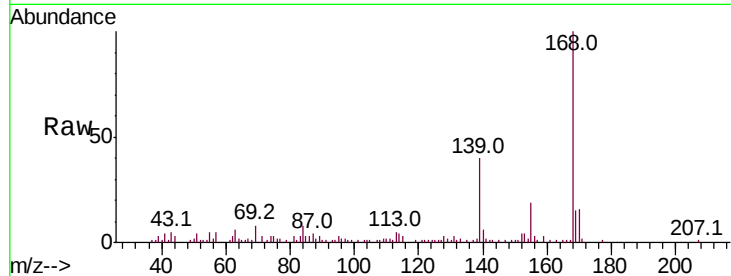




#53
Dibenzenofuran
Concen: 1.718 ng/ul
RT: 14.69 min Scan# 1990
Delta R.T. -0.00 min
Lab File: BN002664.D
Acq: 12 Sep 2018 20:38

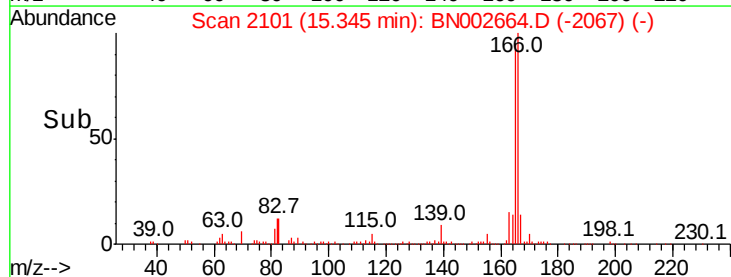
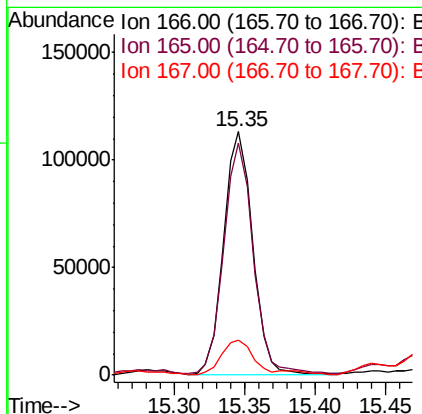
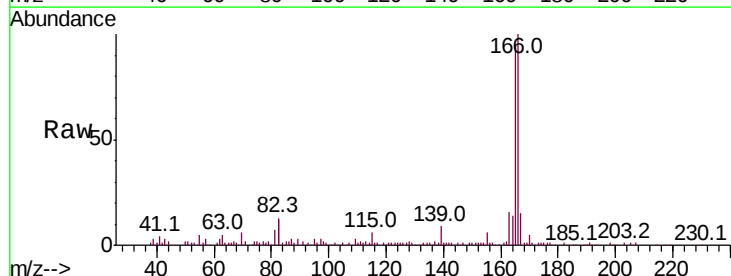
Instrument :
BNA_N
ClientSampleId :

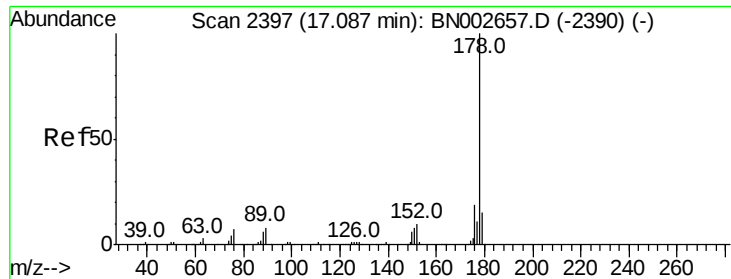
Tot Ion:168 Resp: 88229
Ion Ratio Lower Upper
168 100
139 40.4 32.2 48.2



#58
Fluorene
Concen: 3.814 ng/ul
RT: 15.35 min Scan# 2101
Delta R.T. -0.00 min
Lab File: BN002664.D
Acq: 12 Sep 2018 20:38

Tgt Ion:166 Resp: 160306
Ion Ratio Lower Upper
166 100
165 95.2 78.5 117.7
167 14.6 10.7 16.1





#69

Phenanthrene

Concen: 48.263 ng/ul

RT: 17.09 min Scan# 2397

Delta R.T. -0.00 min

Lab File: BN002664.D

Acq: 12 Sep 2018 20:38

Instrument :

BNA_N

ClientSampled :

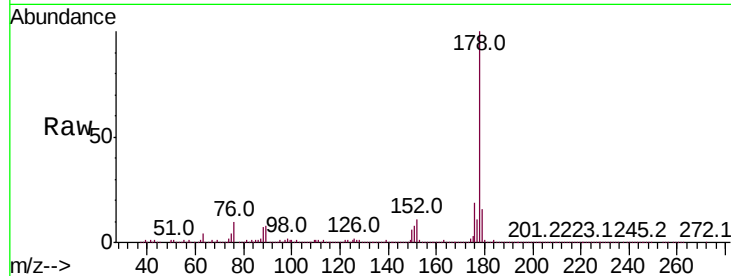
Tot Ion:178 Resp: 2770459

Ion Ratio Lower Upper

178 100

179 15.6 12.2 18.4

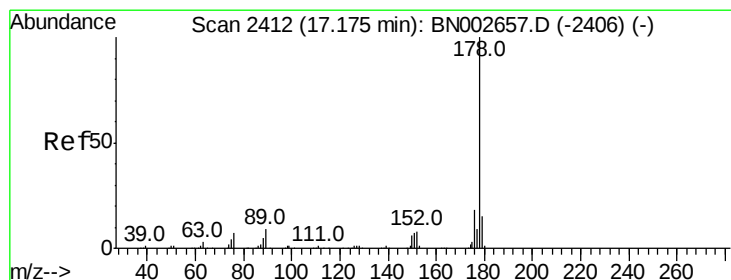
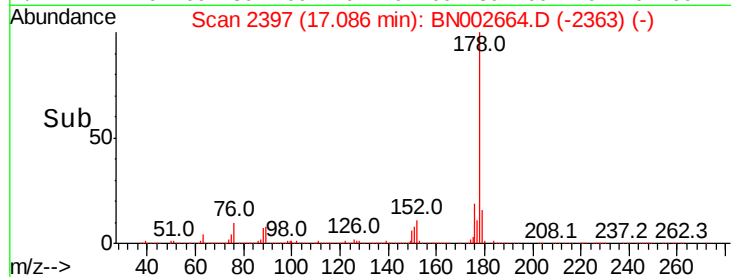
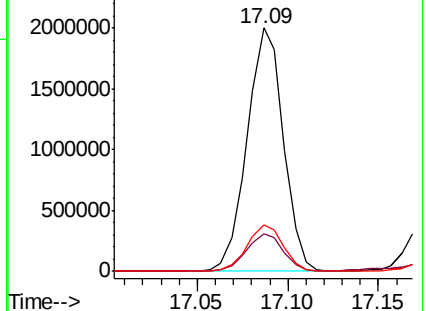
176 18.9 15.6 23.4



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



#71

Anthracene

Concen: 10.438 ng/ul

RT: 17.17 min Scan# 2412

Delta R.T. -0.00 min

Lab File: BN002664.D

Acq: 12 Sep 2018 20:38

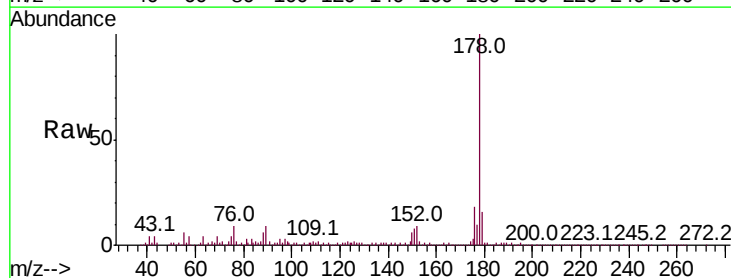
Tgt Ion:178 Resp: 607711

Ion Ratio Lower Upper

178 100

179 15.9 12.1 18.1

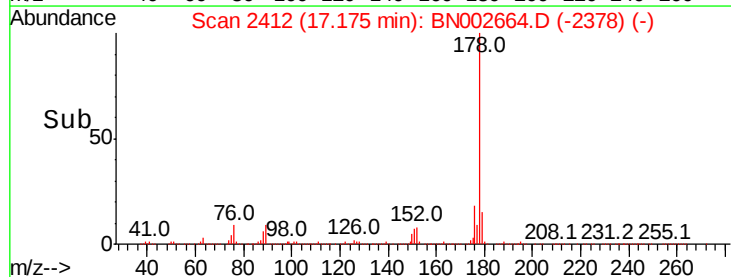
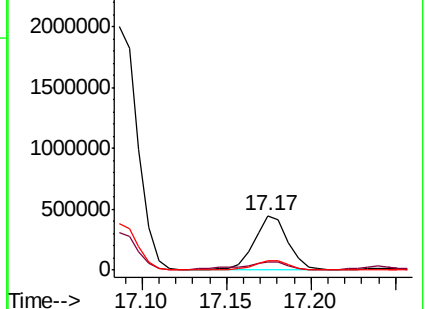
176 18.1 14.8 22.2

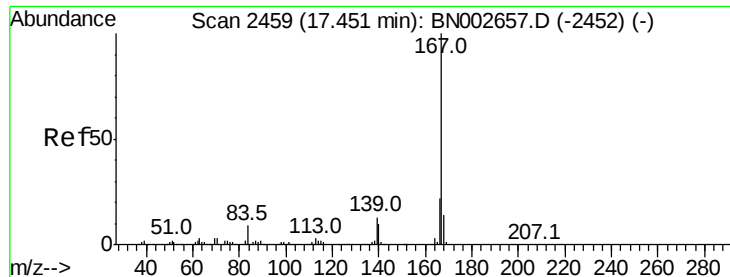


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#74

Carbazole

Concen: 3.377 ng/ul

RT: 17.45 min Scan# 2459

Delta R.T. -0.00 min

Lab File: BN002664.D

Acq: 12 Sep 2018 20:38

Instrument :

BNA_N

ClientSampleId :

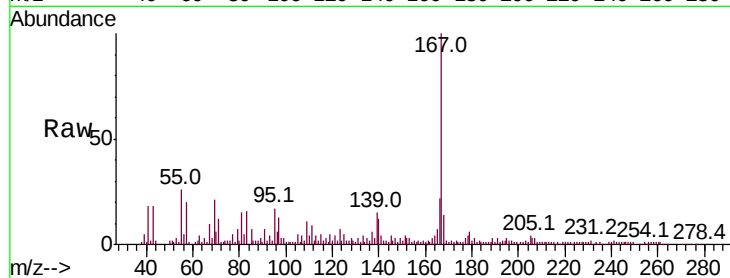
Tot Ion:167 Resp: 174341

Ion Ratio Lower Upper

167 100

166 22.2 17.0 25.6

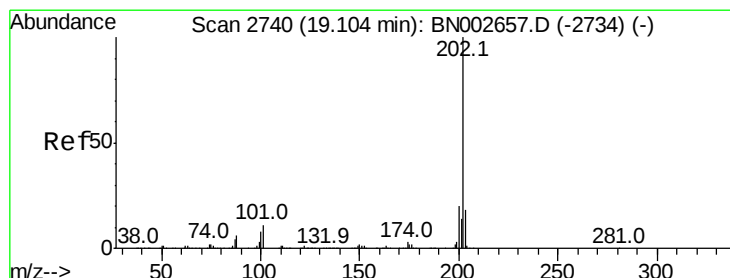
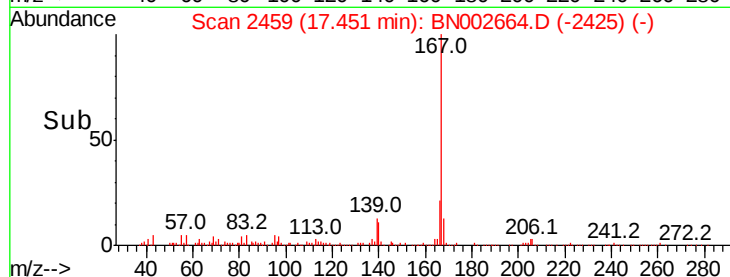
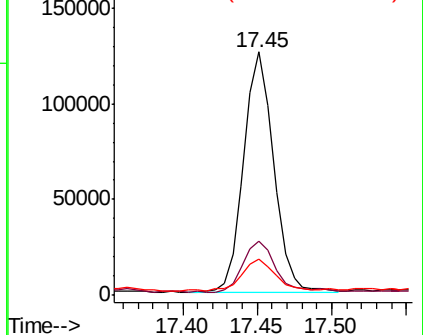
139 14.6 11.0 16.4



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#76

Fluoranthene

Concen: 45.275 ng/ul

RT: 19.12 min Scan# 2742

Delta R.T. 0.01 min

Lab File: BN002664.D

Acq: 12 Sep 2018 20:38

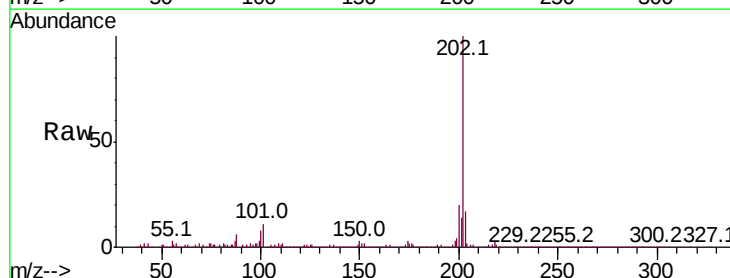
Tgt Ion:202 Resp: 2957981

Ion Ratio Lower Upper

202 100

101 11.0 8.8 13.2

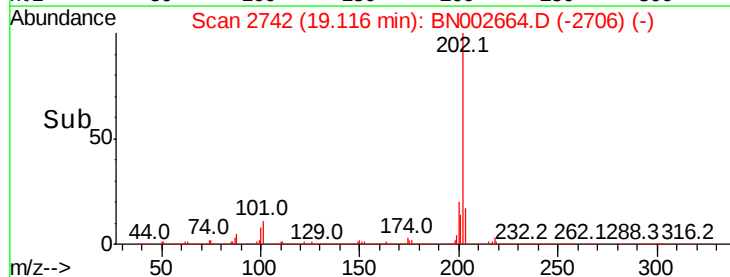
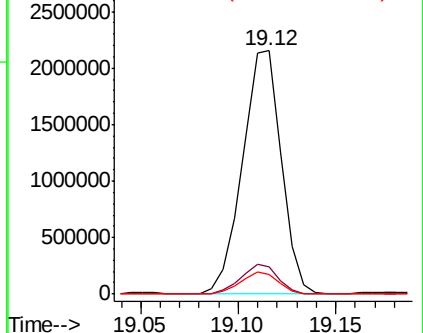
100 8.3 6.6 9.8

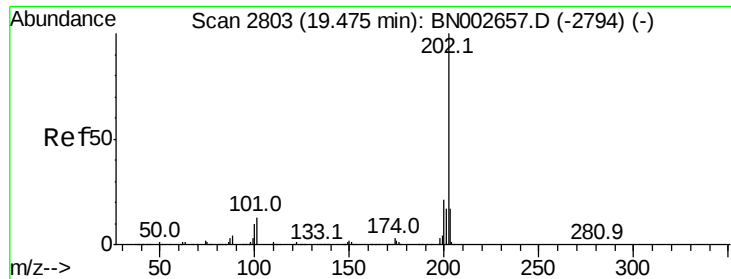


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#79

Pvrene

Concen: 81.319 ng/ul

RT: 19.48 min Scan# 2804

Delta R.T. 0.01 min

Lab File: BN002664.D

Acq: 12 Sep 2018 20:38

Instrument :

BNA_N

ClientSampleId :

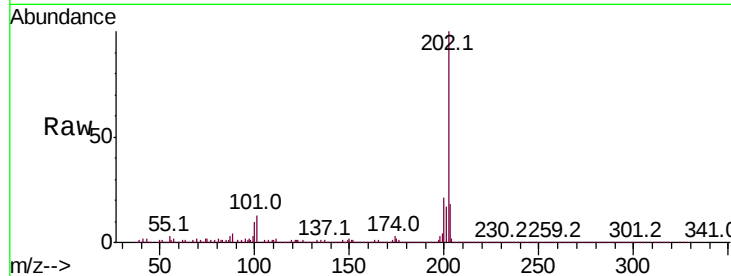
Tot Ion:202 Resp: 3454845

Ion Ratio Lower Upper

202 100

101 12.9 10.2 15.2

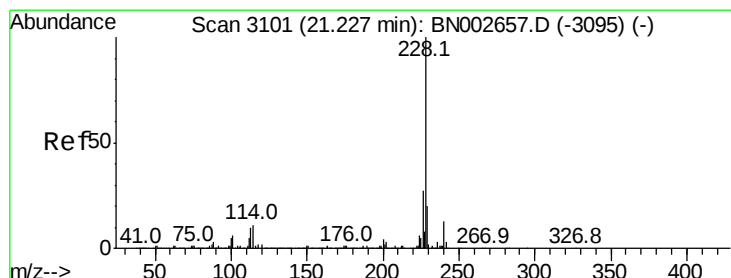
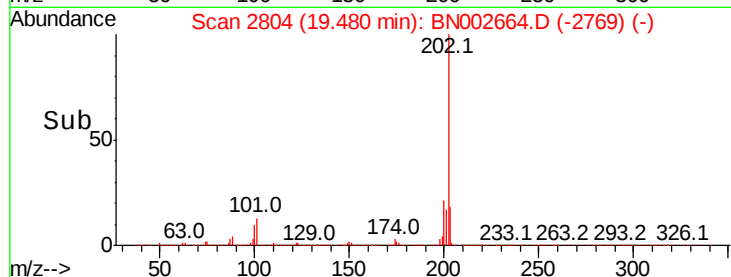
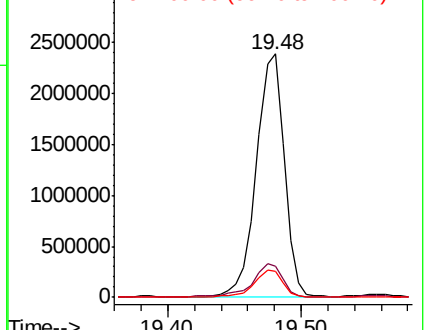
100 10.5 8.5 12.7



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#82

Benzo(a)anthracene

Concen: 29.587 ng/ul

RT: 21.23 min Scan# 3102

Delta R.T. 0.01 min

Lab File: BN002664.D

Acq: 12 Sep 2018 20:38

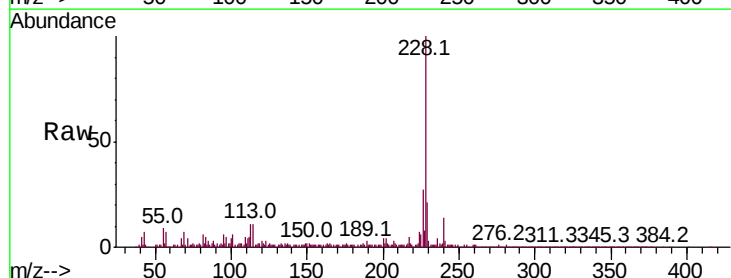
Tgt Ion:228 Resp: 1277168

Ion Ratio Lower Upper

228 100

229 21.4 15.7 23.5

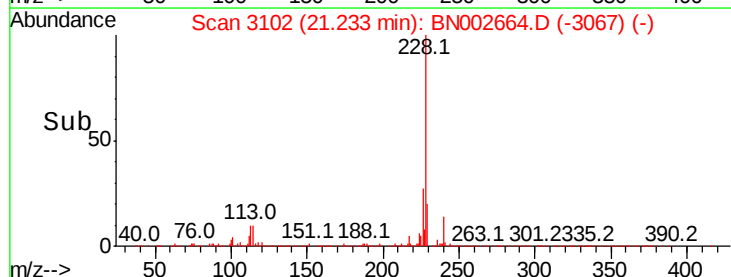
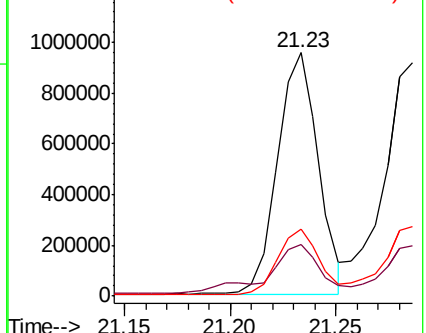
226 27.4 21.8 32.6

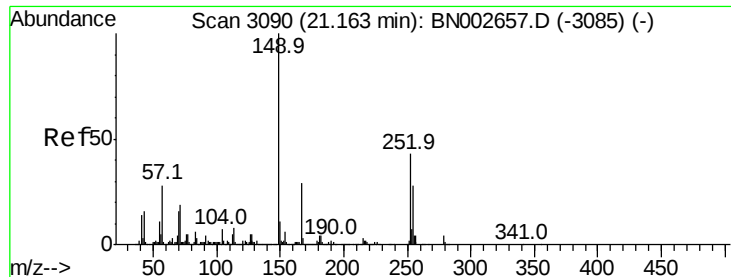


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 1.565 ng/ul

RT: 21.16 min Scan# 3090

Delta R.T. 0.00 min

Lab File: BN002664.D

Acq: 12 Sep 2018 20:38

Instrument :

BNA_N

ClientSampleId :

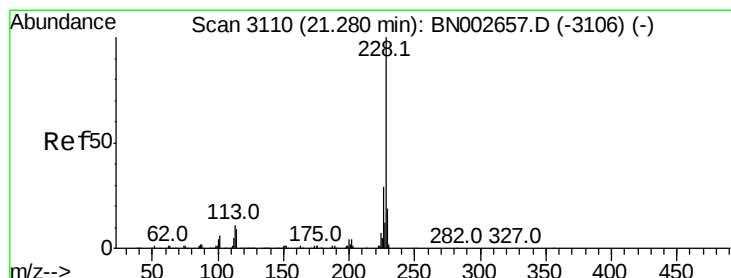
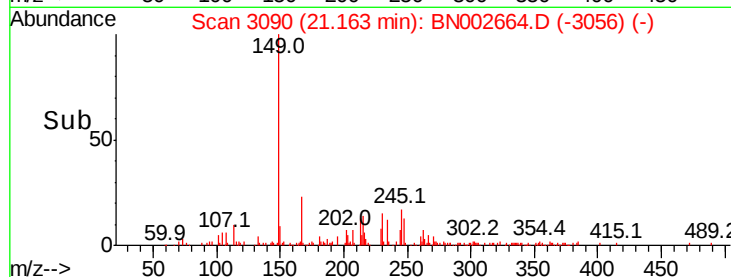
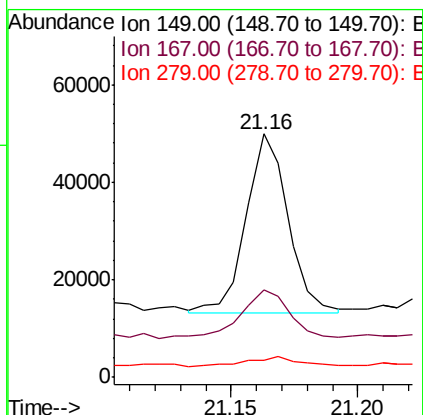
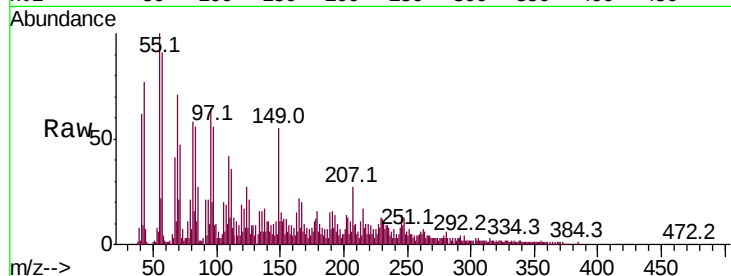
Tot Ion:149 Resp: 42261

Ion Ratio Lower Upper

149 100

167 35.9 21.6 32.4#

279 7.2 3.0 4.4#



#84

Chrysene

Concen: 32.301 ng/ul

RT: 21.29 min Scan# 3111

Delta R.T. 0.01 min

Lab File: BN002664.D

Acq: 12 Sep 2018 20:38

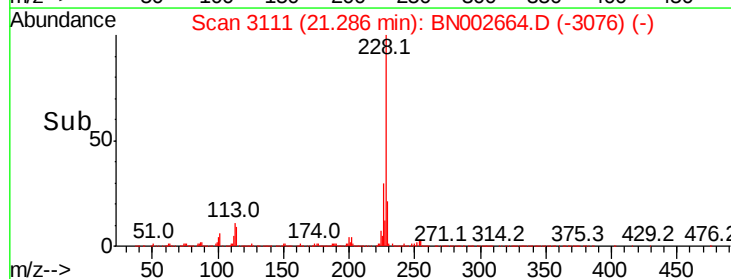
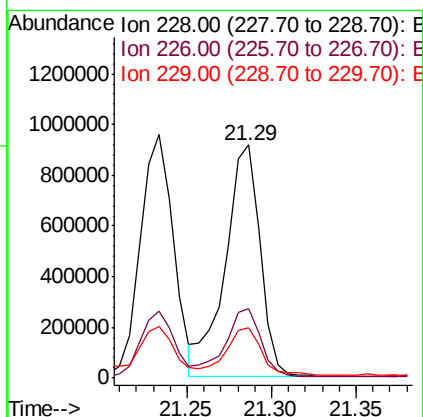
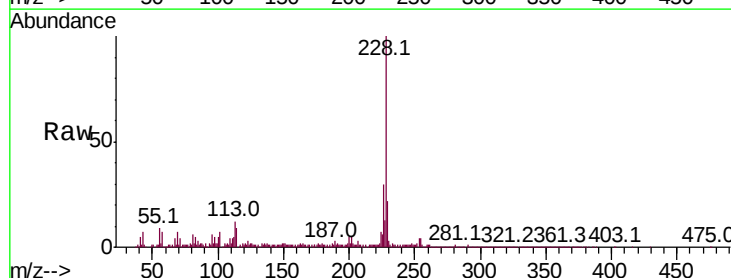
Tgt Ion:228 Resp: 1319672

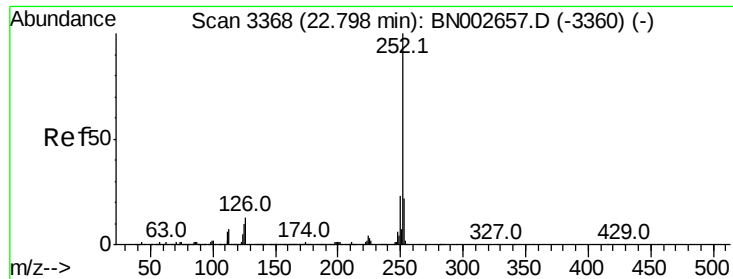
Ion Ratio Lower Upper

228 100

226 30.0 24.0 36.0

229 21.7 15.6 23.4





#87

Benzo(b)fluoranthene

Concen: 33.273 ng/ul

RT: 22.81 min Scan# 3370

Delta R.T. 0.01 min

Lab File: BN002664.D

Acq: 12 Sep 2018 20:38

Instrument :

BNA_N

ClientSampleId :

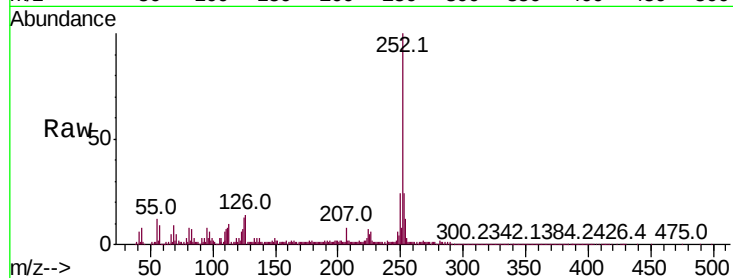
Tot Ion:252 Resp: 1393383

Ion Ratio Lower Upper

252 100

253 23.9 17.5 26.3

125 13.4 8.5 12.7#

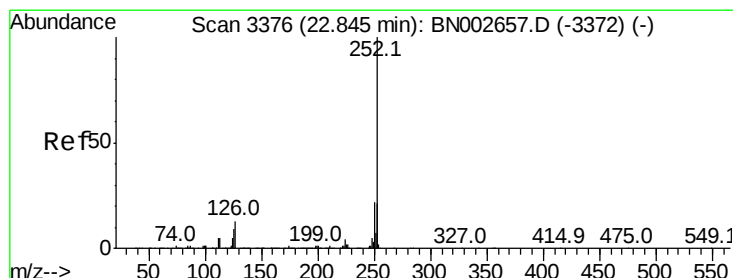
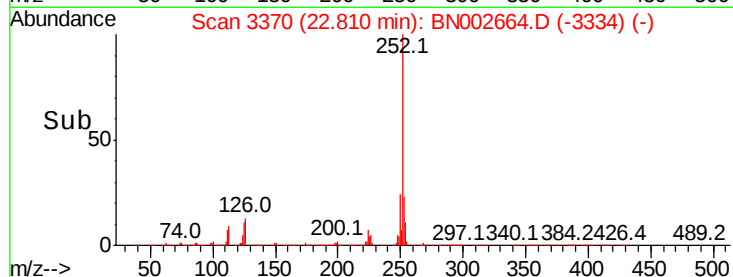
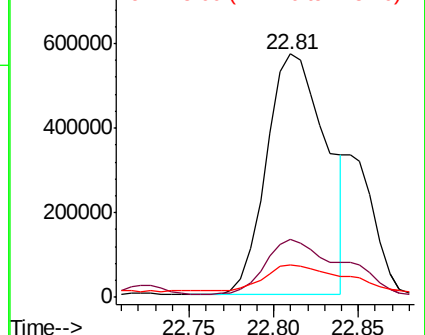


Abundance

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: 35.319 ng/ul

RT: 22.81 min Scan# 3370

Delta R.T. -0.04 min

Lab File: BN002664.D

Acq: 12 Sep 2018 20:38

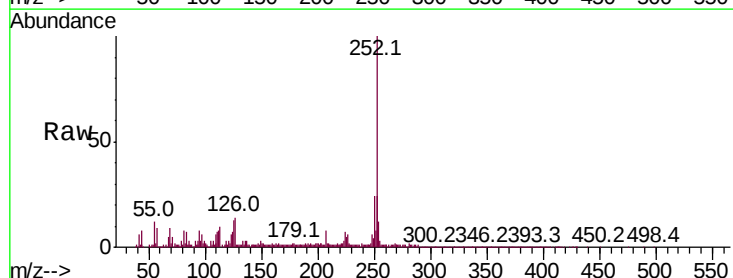
Tgt Ion:252 Resp: 1393383

Ion Ratio Lower Upper

252 100

253 23.9 17.3 25.9

125 13.4 8.2 12.2#

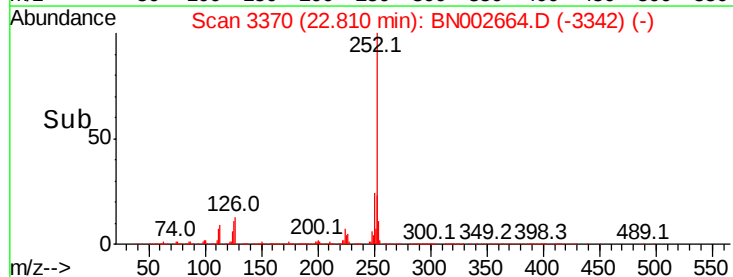
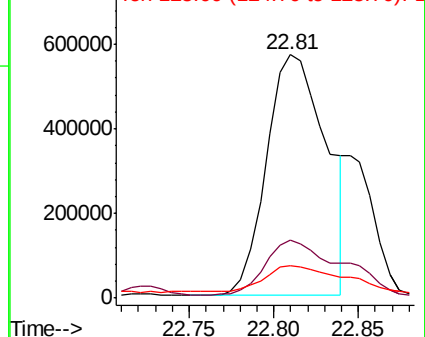


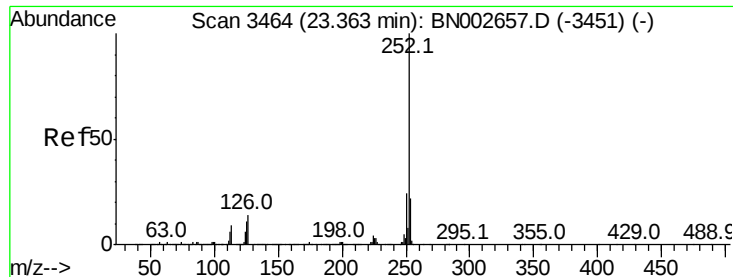
Abundance

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





#90

Benzo(a)pyrene

Concen: 27.244 ng/ul

RT: 23.37 min Scan# 3466

Delta R.T. 0.01 min

Lab File: BN002664.D

Acq: 12 Sep 2018 20:38

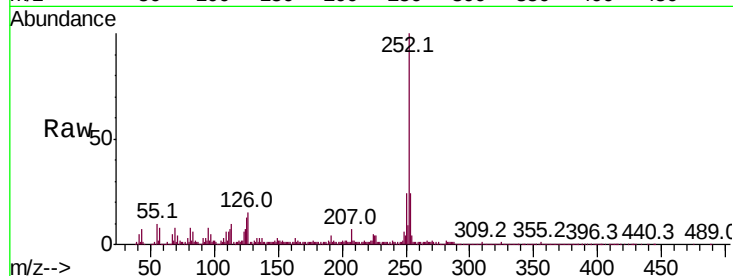
Instrument :

BNA_N

ClientSampleId :

Tot Ion:252 Resp: 1086791

Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.2	25.8
125	12.8	9.0	13.6

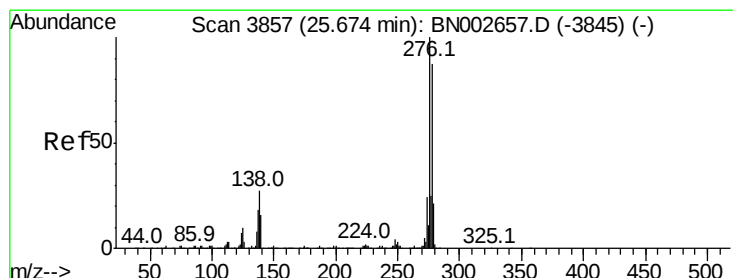
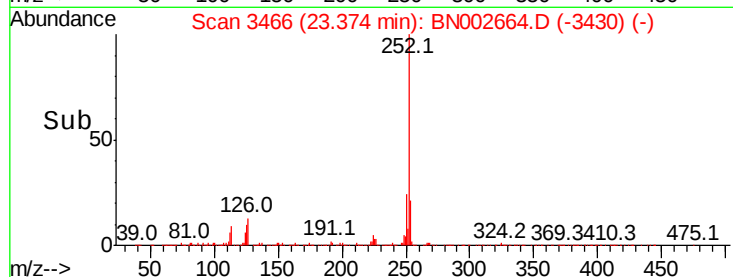
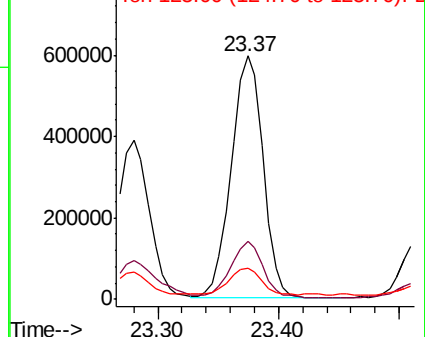


Abundance

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



#91

Indeno(1,2,3-cd)pyrene

Concen: 15.325 ng/ul

RT: 25.69 min Scan# 3859

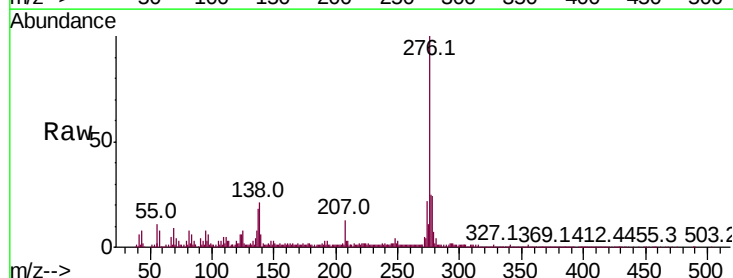
Delta R.T. 0.01 min

Lab File: BN002664.D

Acq: 12 Sep 2018 20:38

Tgt Ion:276 Resp: 727281

Ion	Ratio	Lower	Upper
276	100		
138	20.6	22.3	33.5#
277	24.7	20.2	30.2

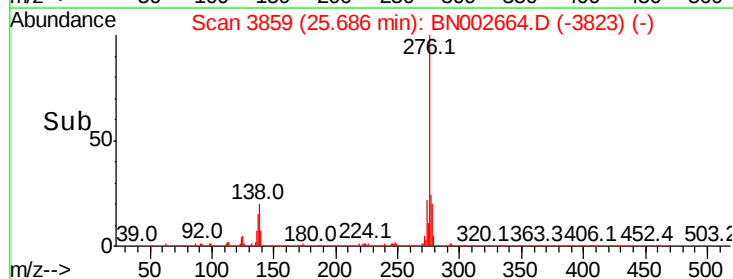
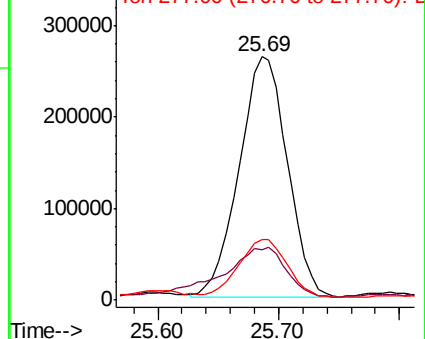


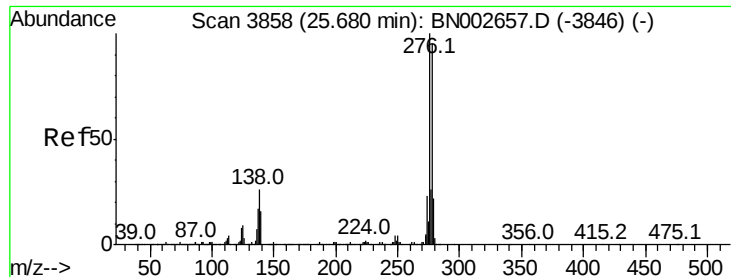
Abundance

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





#92

Dibenzo(a,h)anthracene

Concen: 4.997 ng/ul

RT: 25.69 min Scan# 3859

Delta R.T. 0.01 min

Lab File: BN002664.D

Acq: 12 Sep 2018 20:38

Instrument :

BNA_N

ClientSampleId :

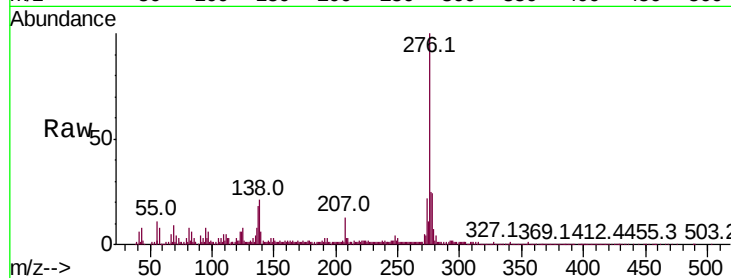
Tot Ion:278 Resp: 198242

Ion Ratio Lower Upper

278 100

139 26.6 13.9 20.9#

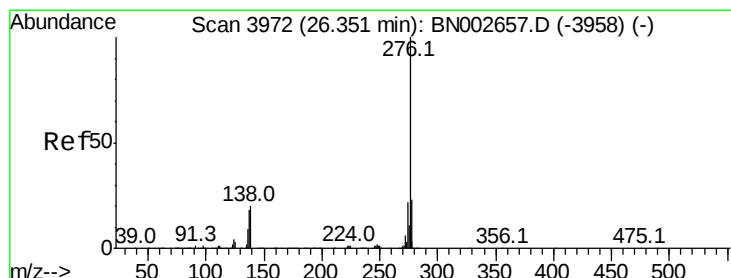
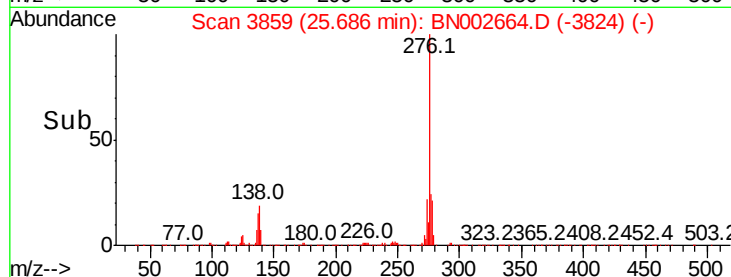
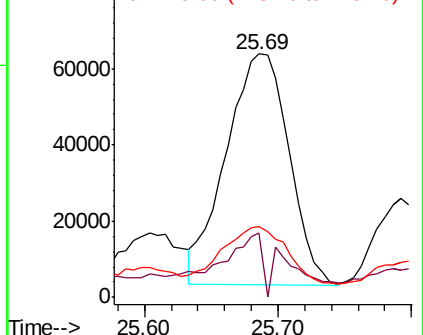
279 29.0 19.0 28.4#



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: 17.327 ng/ul

RT: 26.37 min Scan# 3975

Delta R.T. 0.02 min

Lab File: BN002664.D

Acq: 12 Sep 2018 20:38

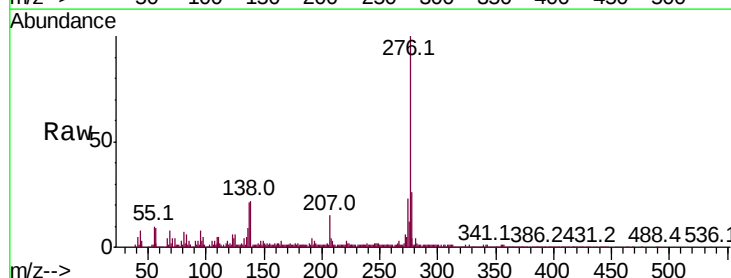
Tgt Ion:276 Resp: 686107

Ion Ratio Lower Upper

276 100

138 22.0 18.9 28.3

277 25.6 19.2 28.8



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

