

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN122118\
 Data File : BN004191.D
 Acq On : 22 Dec 2018 09:56
 Operator : JU/SJ
 Sample : J6414-09
 Misc : GC-MS Confirmation
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Dec 24 07:11:19 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN121218MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Dec 24 07:07:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	28347	20.00	ng/ul	0.00
18) Naphthalene-d8	10.62	136	134283	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.46	164	87840	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.21	188	199464	20.00	ng/ul	0.00
77) Chrysene-d12	21.40	240	207113	20.00	ng/ul	0.00
85) Perylene-d12	23.72	264	190526	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	0.00	99	0	0.00	ng/ul	
7) Bis-(2-Chloroethyl)ether-d	0.00	67	0	0.00	ng/ul	
9) 2-Chlorophenol-d4	0.00	132	0	0.00	ng/ul	
13) 4-Methylphenol-d8	0.00	113	0	0.00	ng/ul	
19) Nitrobenzene-d5	0.00	128	0	0.00	ng/ul	
22) 2-Nitrophenol-d4	0.00	143	0	0.00	ng/ul	
26) 2,4-Dichlorophenol-d3	0.00	165	0	0.00	ng/ul	
29) 4-Chloroaniline-d4	0.00	131	0	0.00	ng/ul	
43) Dimethylphthalate-d6	0.00	166	0	0.00	ng/ul	
46) Acenaphthylene-d8	0.00	160	0	0.00	ng/ul	
51) 4-Nitrophenol-d4	0.00	143	0	0.00	ng/ul	
57) Fluorene-d10	15.46	176	256	0.04	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	0.00	200	0	0.00	ng/ul	
70) Anthracene-d10	17.21	188	199464	19.79	ng/ul	-0.10
78) Pyrene-d10	0.00	212	0	0.00	ng/ul	
89) Benzo(a)pyrene-d12	23.72	264	187839	18.17	ng/ul	0.15

Target Compounds

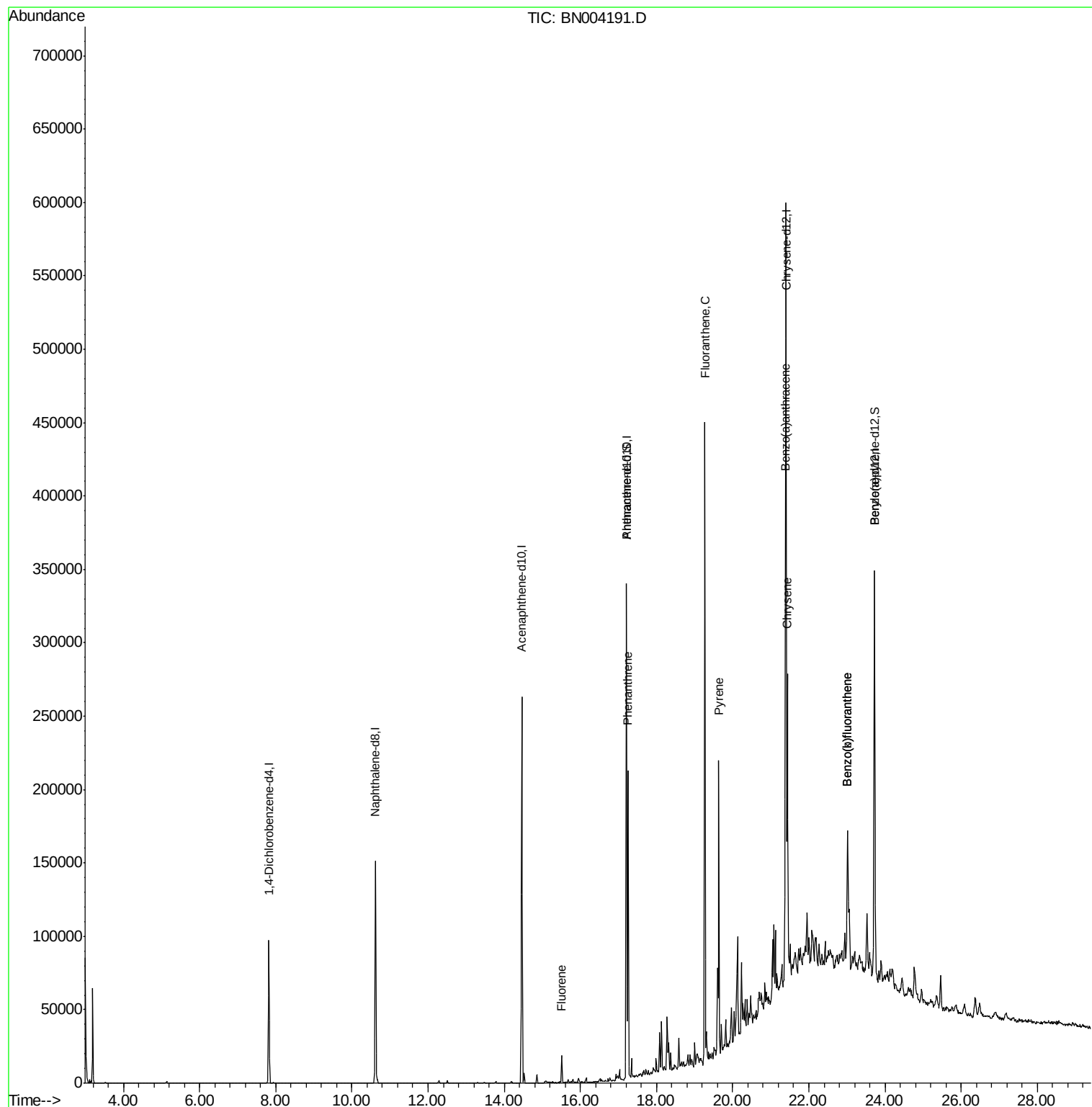
					Ovalue	
58) Fluorene	15.51	166	8773	1.176	ng/ul	99
69) Phenanthrene	17.25	178	120656	10.469	ng/ul	100
76) Fluoranthene	19.27	202	251475	17.802	ng/ul	100
79) Pyrene	19.63	202	121667	10.515	ng/ul	98
82) Benzo(a)anthracene	21.38	228	94187	7.293	ng/ul	99
84) Chrysene	21.43	228	107044	8.849	ng/ul	99
87) Benzo(b)fluoranthene	23.02	252	70909	6.213	ng/ul#	94
88) Benzo(k)fluoranthene	23.02	252	70909	6.635	ng/ul#	93

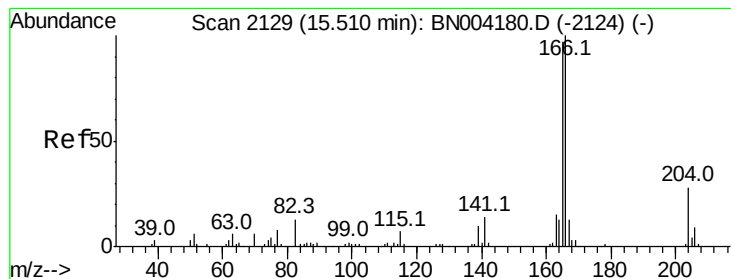
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#58

Fluorene

Concen: 1.176 ng/ul

RT: 15.51 min Scan# 2129

Delta R.T. 0.00 min

Lab File: BN004191.D

Acq: 22 Dec 2018 09:56

Instrument :

BNA_N

ClientSampleId :

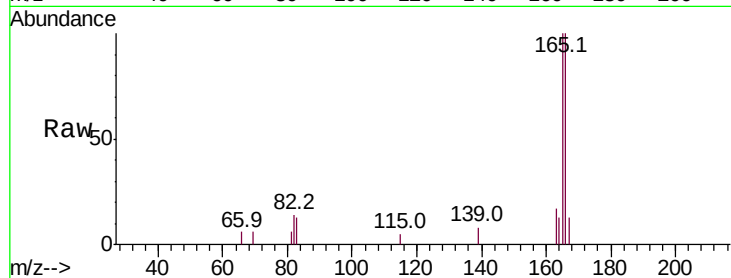
Tot Ion:166 Resp: 8773

Ion Ratio Lower Upper

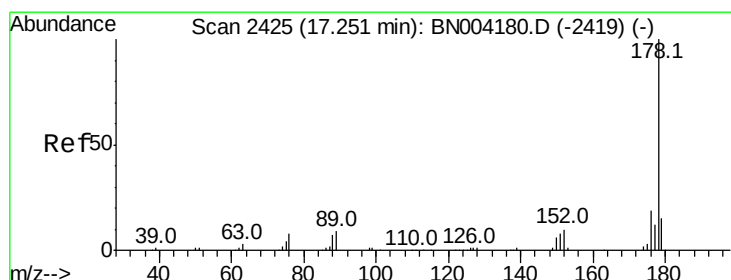
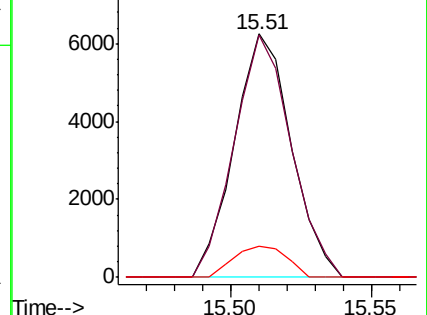
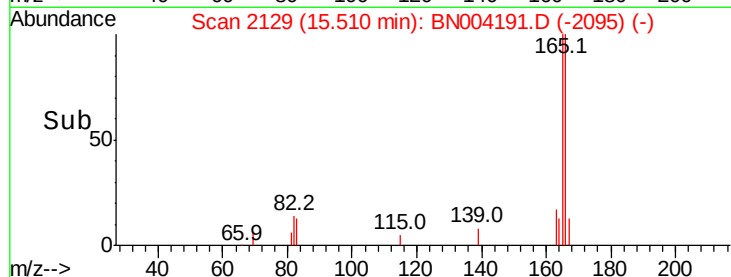
166 100

165 99.7 78.6 117.8

167 12.9 10.3 15.5



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



#69

Phenanthrene

Concen: 10.469 ng/ul

RT: 17.25 min Scan# 2425

Delta R.T. 0.00 min

Lab File: BN004191.D

Acq: 22 Dec 2018 09:56

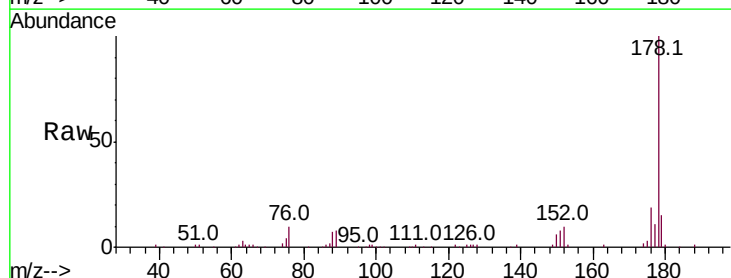
Tgt Ion:178 Resp: 120656

Ion Ratio Lower Upper

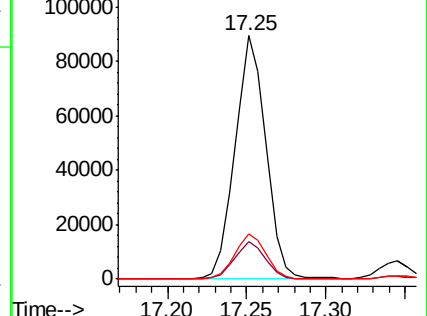
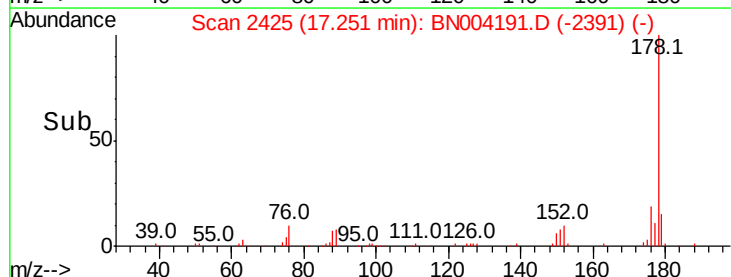
178 100

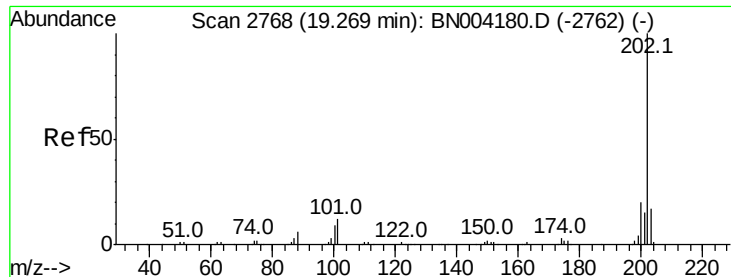
179 15.4 12.1 18.1

176 18.7 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





#76

Fluoranthene

Concen: 17.802 ng/ul

RT: 19.27 min Scan# 2768

Delta R.T. -0.00 min

Lab File: BN004191.D

Acq: 22 Dec 2018 09:56

Instrument :

BNA_N

ClientSampleId :

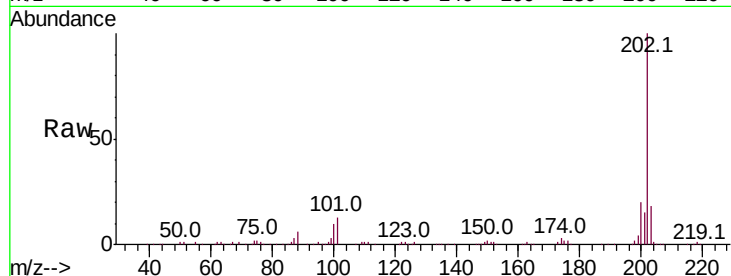
Tot Ion:202 Resp: 251475

Ion Ratio Lower Upper

202 100

101 12.7 10.2 15.2

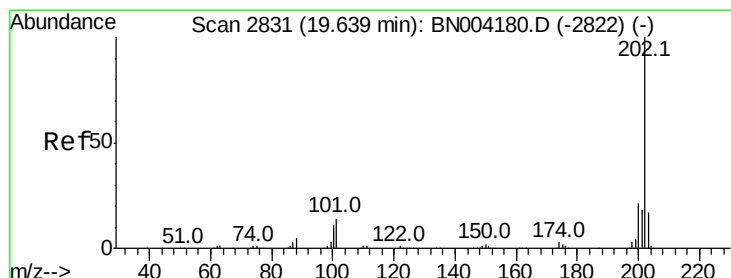
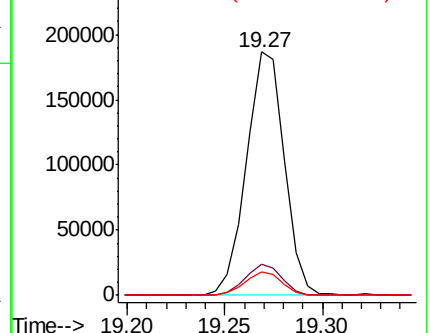
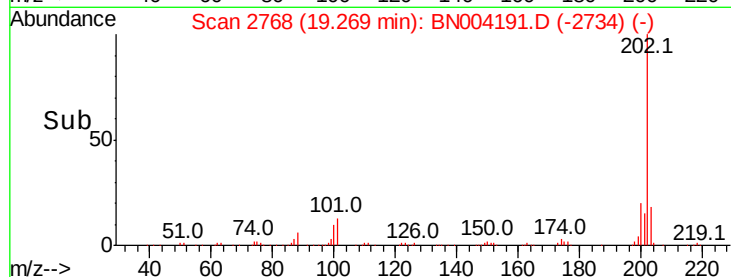
100 9.8 7.8 11.8



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): B



#79

Pyrene

Concen: 10.515 ng/ul

RT: 19.63 min Scan# 2830

Delta R.T. -0.01 min

Lab File: BN004191.D

Acq: 22 Dec 2018 09:56

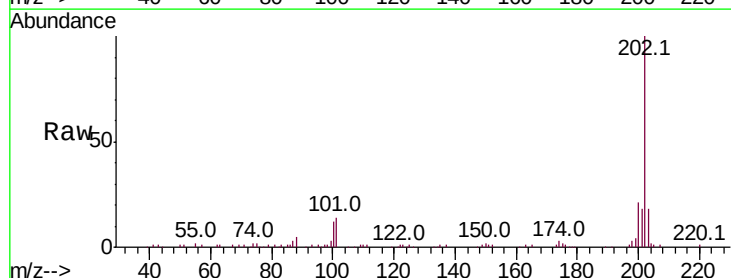
Tgt Ion:202 Resp: 121667

Ion Ratio Lower Upper

202 100

101 14.5 12.2 18.2

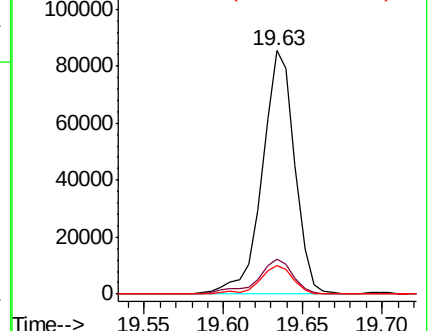
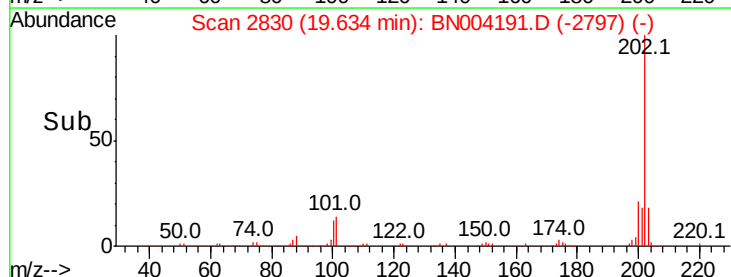
100 11.8 9.9 14.9

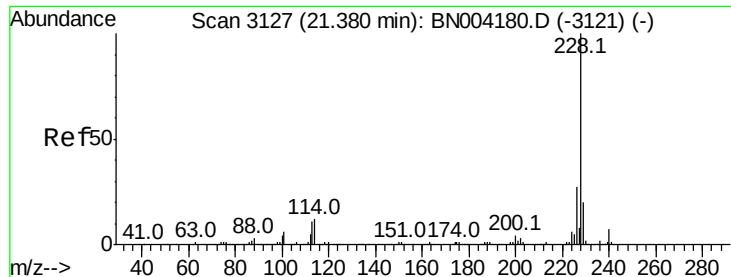


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#82

Benzo(a)anthracene

Concen: 7.293 ng/ul

RT: 21.38 min Scan# 3127

Delta R.T. -0.00 min

Lab File: BN004191.D

Acq: 22 Dec 2018 09:56

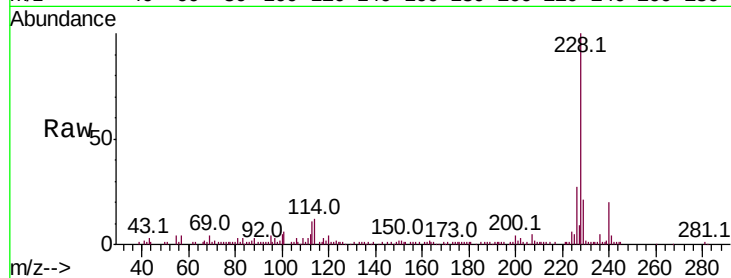
Instrument :

BNA_N

ClientSampled :

Tot Ion:228 Resp: 94187

Ion	Ratio	Lower	Upper
228	100		
229	20.7	15.9	23.9
226	26.8	21.4	32.2

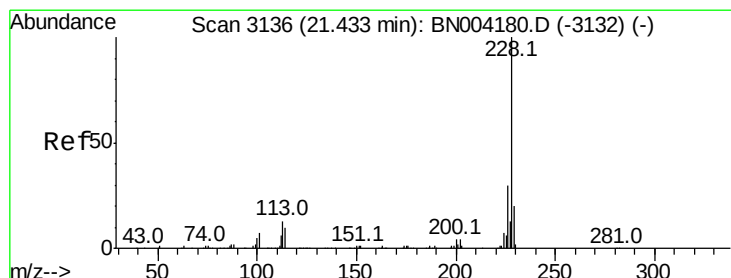
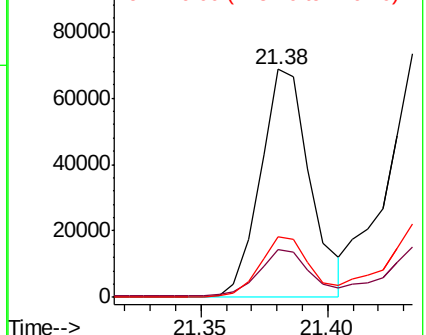
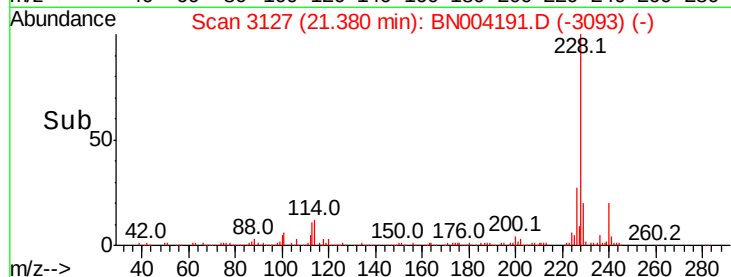


Abundance

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

Chrysene

Concen: 8.849 ng/ul

RT: 21.43 min Scan# 3136

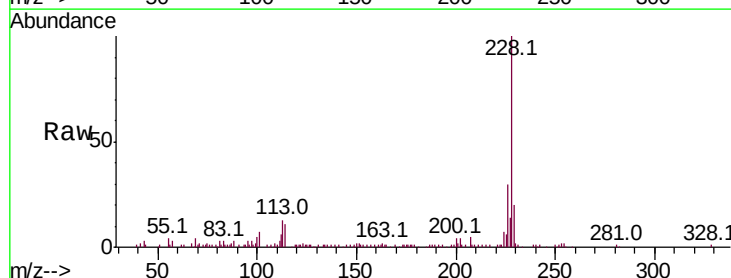
Delta R.T. 0.00 min

Lab File: BN004191.D

Acq: 22 Dec 2018 09:56

Tgt Ion:228 Resp: 107044

Ion	Ratio	Lower	Upper
228	100		
226	29.9	23.8	35.8
229	20.4	15.8	23.6

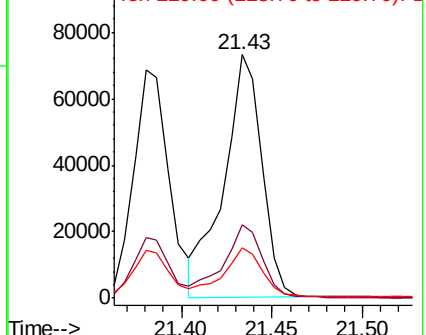
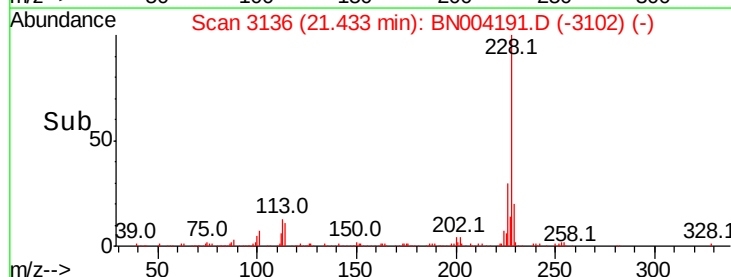


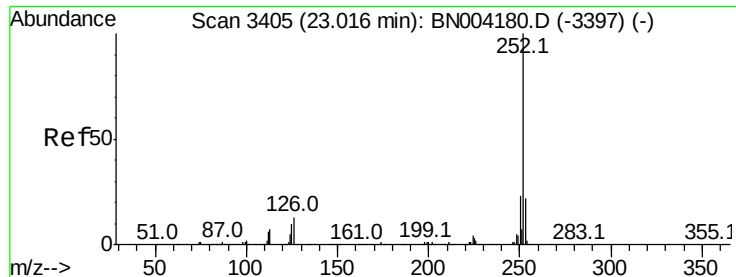
Abundance

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: 6.213 ng/ul

RT: 23.02 min Scan# 3405

Delta R.T. 0.00 min

Lab File: BN004191.D

Acq: 22 Dec 2018 09:56

Instrument :

BNA_N

ClientSampleId :

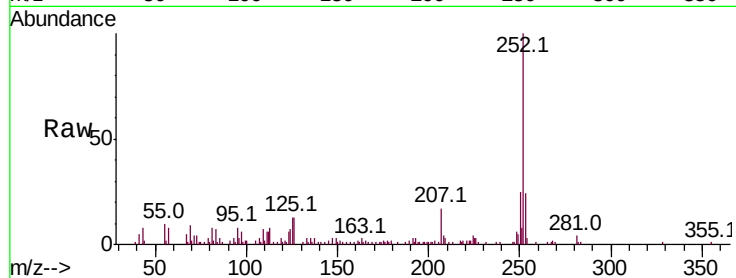
Tot Ion:252 Resp: 70909

Ion Ratio Lower Upper

252 100

253 24.0 17.3 25.9

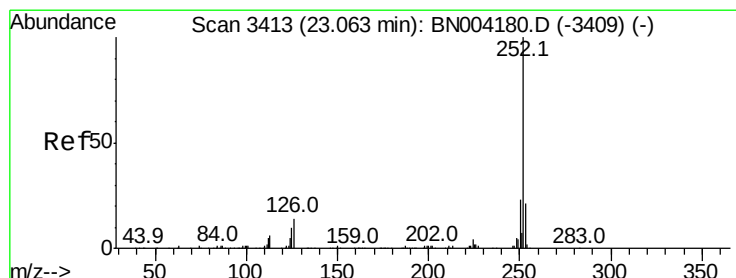
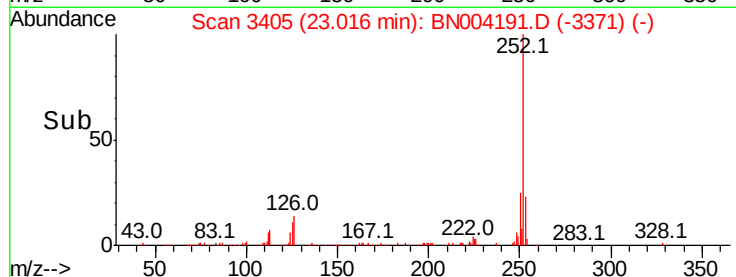
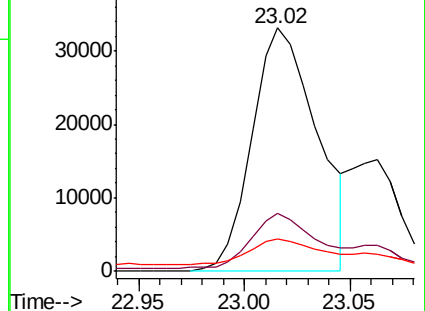
125 13.4 8.2 12.4#



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: 6.635 ng/ul

RT: 23.02 min Scan# 3405

Delta R.T. -0.05 min

Lab File: BN004191.D

Acq: 22 Dec 2018 09:56

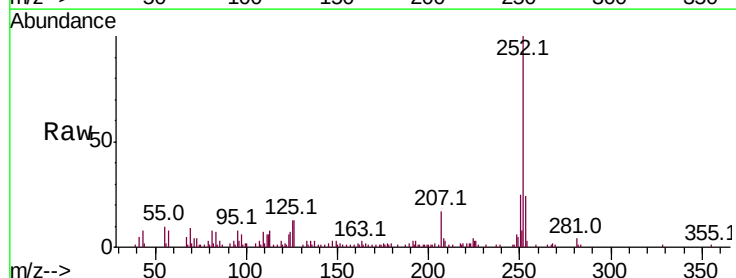
Tgt Ion:252 Resp: 70909

Ion Ratio Lower Upper

252 100

253 24.0 17.1 25.7

125 13.4 7.9 11.9#



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

