

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN020620\
 Data File : BN009660.D
 Acq On : 07 Feb 2020 23:25
 Operator : CG/JU
 Sample : L1401-05
 Misc :
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 CB6J8

Quant Time: Feb 08 01:29:34 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020320MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Feb 07 23:20:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.43	152	158114	20.00	ng/ul	0.00
18) Naphthalene-d8	10.18	136	667861	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.07	164	403487	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.82	188	850141	20.00	ng/ul	0.00
77) Chrysene-d12	21.04	240	793952	20.00	ng/ul	0.00
85) Perylene-d12	23.15	264	790055	20.00	ng/ul	-0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.08	96	6993	1.81	ng/uL	0.00
5) Phenol-d5	6.63	99	137169	9.95	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.79	67	100103	10.81	ng/ul	0.00
9) 2-Chlorophenol-d4	6.98	132	110236	10.86	ng/ul	0.00
13) 4-Methylphenol-d8	8.15	113	97010	8.83	ng/ul	0.00
19) Nitrobenzene-d5	8.58	128	54492	10.97	ng/ul	0.00
22) 2-Nitrophenol-d4	9.29	143	56928	10.27	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.82	165	99755	9.61	ng/ul	0.00
29) 4-Chloroaniline-d4	10.33	131	136748	12.25	ng/ul	0.00
43) Dimethylphthalate-d6	13.49	166	332886	11.30	ng/ul	0.00
46) Acenaphthylene-d8	13.76	160	397656	11.17	ng/ul	0.00
51) 4-Nitrophenol-d4	14.32	143	38721	6.96	ng/ul	0.00
57) Fluorene-d10	15.07	176	290844	11.23	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.23	200	37334	7.03	ng/ul	0.00
70) Anthracene-d10	16.92	188	443065	11.47	ng/ul	0.00
78) Pyrene-d10	19.23	212	513878	12.31	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.02	264	506131	13.01	ng/ul	-0.01

Target Compounds

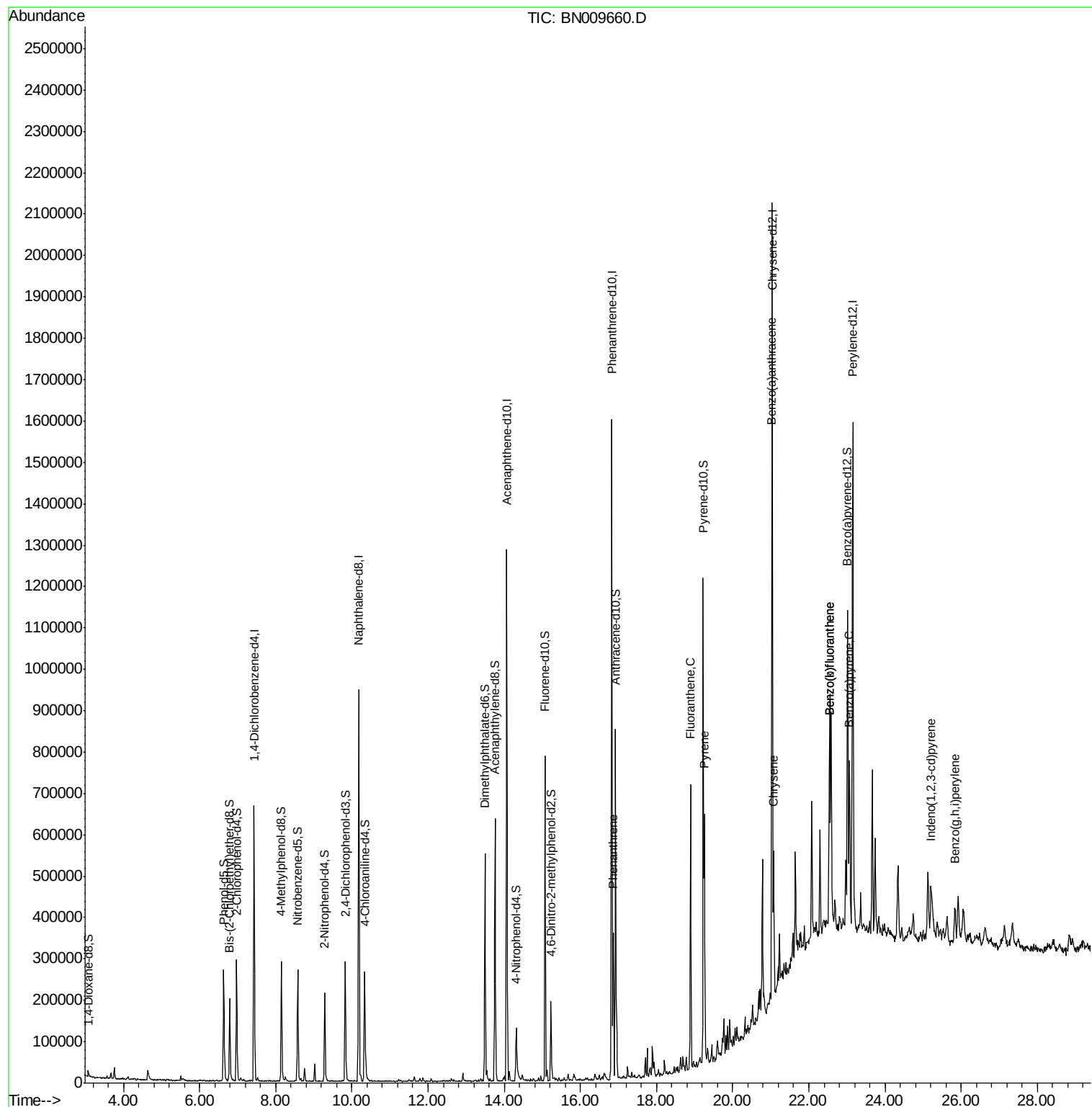
					Ovalue
69) Phenanthrene	16.86	178	187804	3.874 ng/ul	99
76) Fluoranthene	18.89	202	372022	6.723 ng/ul	97
79) Pyrene	19.26	202	339451	5.857 ng/ul	98
82) Benzo(a)anthracene	21.02	228	193747	3.534 ng/ul	98
84) Chrysene	21.07	228	177393	3.251 ng/ul	98
87) Benzo(b)fluoranthene	22.53	252	227409	4.601 ng/ul	99
88) Benzo(k)fluoranthene	22.53	252	227409	4.672 ng/ul	99
90) Benzo(a)pyrene	23.06	252	149937	3.274 ng/ul#	94
91) Indeno(1,2,3-cd)pyrene	25.20	276	93704	1.721 ng/ul	95
93) Benzo(a,h,i)perylene	25.83	276	88431	1.938 ng/ul#	93

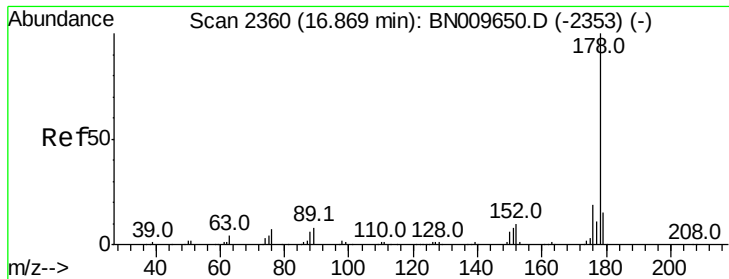
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#69

Phenanthrene

Concen: 3.874 ng/ul

RT: 16.86 min Scan# 2359

Delta R.T. -0.01 min

Lab File: BN009660.D

Acq: 07 Feb 2020 23:25

Instrument :

BNA_N

ClientSampleId :

CB6J8

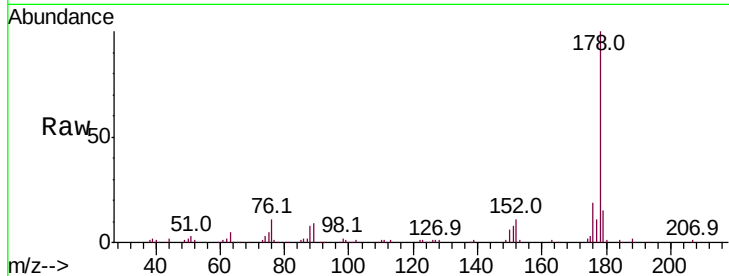
Tot Ion:178 Resp: 187804

Ion Ratio Lower Upper

178 100

179 15.3 12.2 18.2

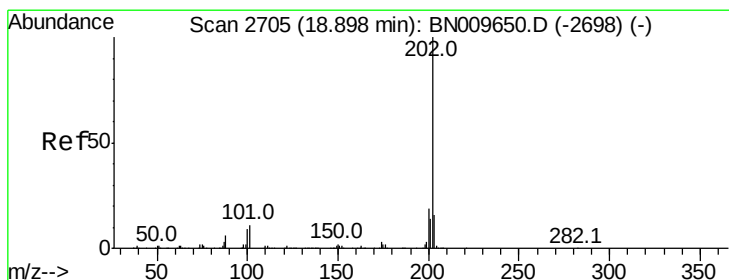
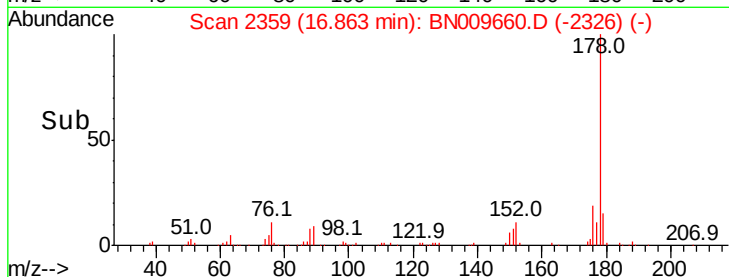
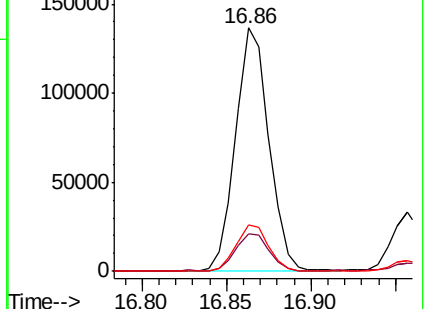
176 19.0 14.8 22.2



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



#76

Fluoranthene

Concen: 6.723 ng/ul

RT: 18.89 min Scan# 2704

Delta R.T. -0.01 min

Lab File: BN009660.D

Acq: 07 Feb 2020 23:25

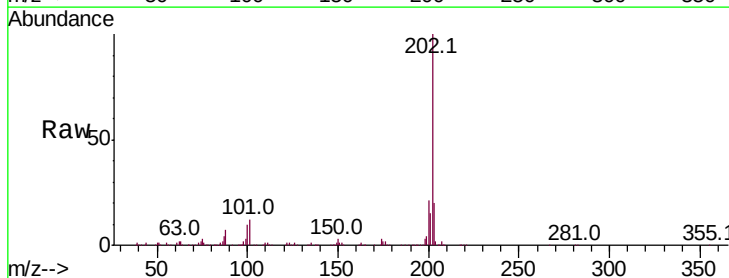
Tgt Ion:202 Resp: 372022

Ion Ratio Lower Upper

202 100

101 12.3 9.2 13.8

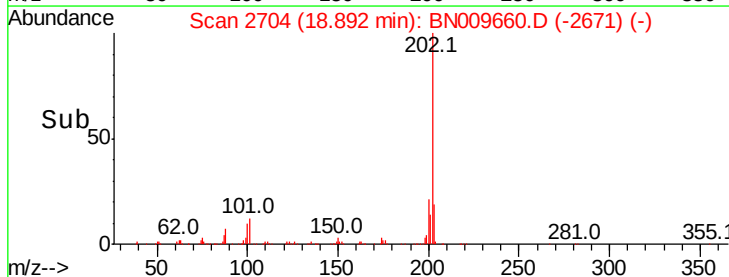
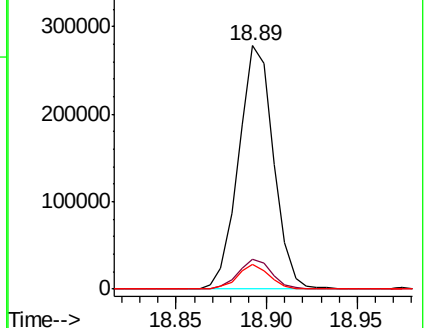
100 10.3 6.9 10.3

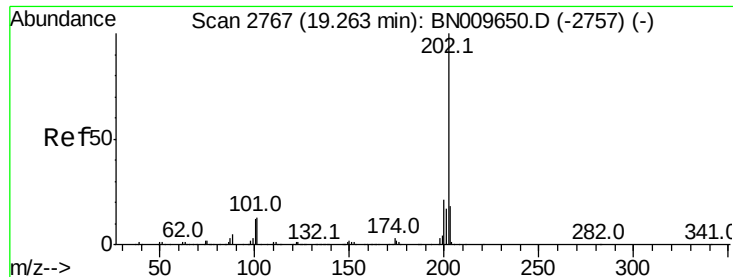


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#79

Pvrene

Concen: 5.857 ng/ul

RT: 19.26 min Scan# 2766

Delta R.T. -0.01 min

Lab File: BN009660.D

Acq: 07 Feb 2020 23:25

Instrument :

BNA_N

ClientSampleId :

CB6J8

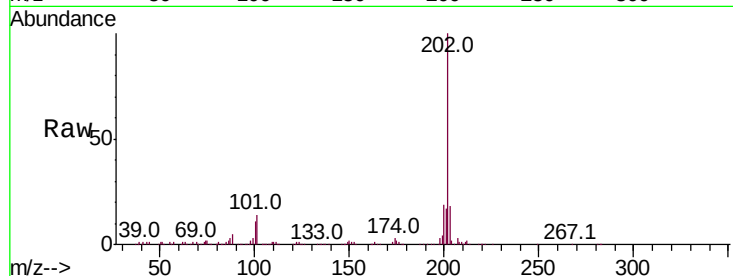
Tot Ion:202 Resp: 339451

Ion Ratio Lower Upper

202 100

101 14.0 10.3 15.5

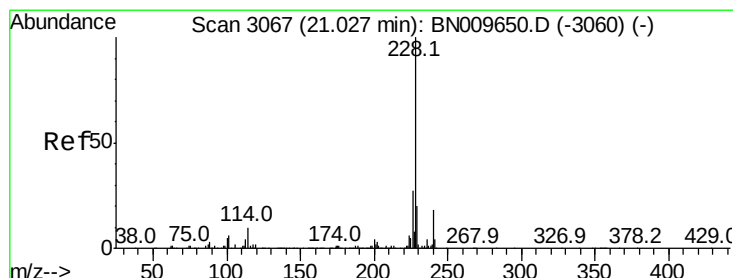
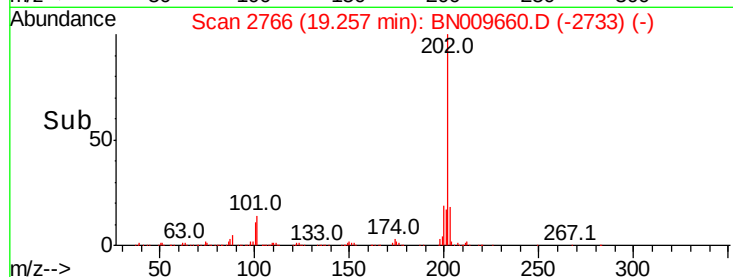
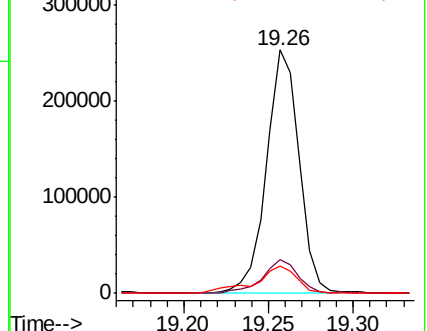
100 11.3 8.4 12.6



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



#82

Benzo(a)anthracene

Concen: 3.534 ng/ul

RT: 21.02 min Scan# 3066

Delta R.T. -0.01 min

Lab File: BN009660.D

Acq: 07 Feb 2020 23:25

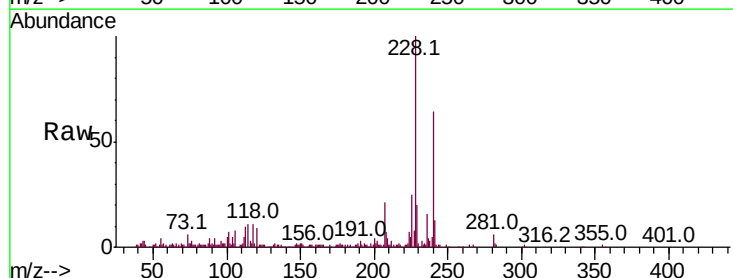
Tgt Ion:228 Resp: 193747

Ion Ratio Lower Upper

228 100

229 19.5 15.0 22.4

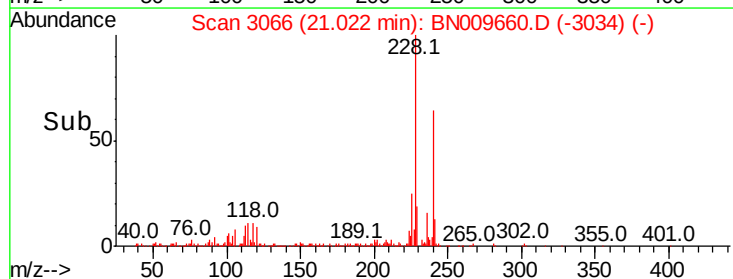
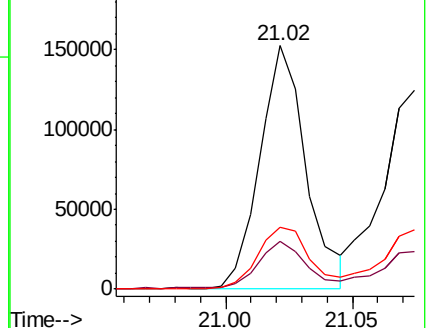
226 25.3 20.9 31.3

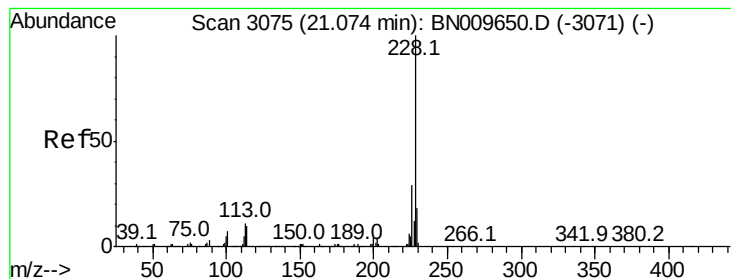


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#84

Chrysene

Concen: 3.251 ng/ul

RT: 21.07 min Scan# 3075

Delta R.T. -0.01 min

Lab File: BN009660.D

Acq: 07 Feb 2020 23:25

Instrument :

BNA_N

ClientSampleId :

CB6J8

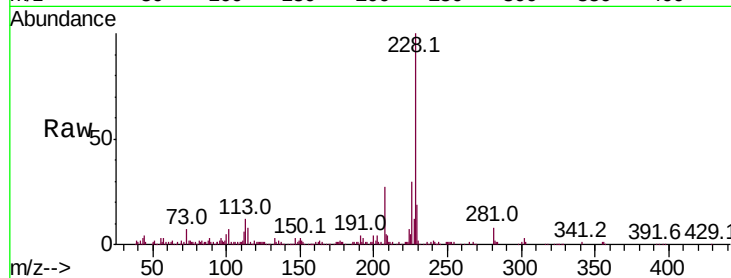
Tot Ion:228 Resp: 177393

Ion Ratio Lower Upper

228 100

226 30.1 23.5 35.3

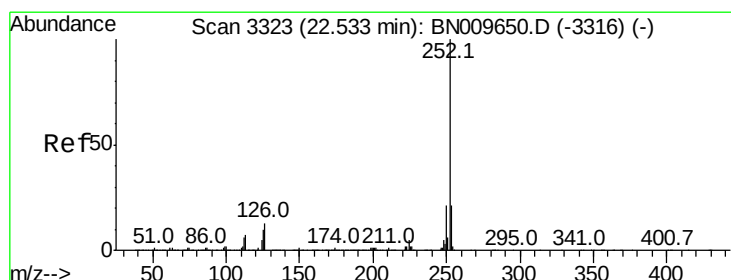
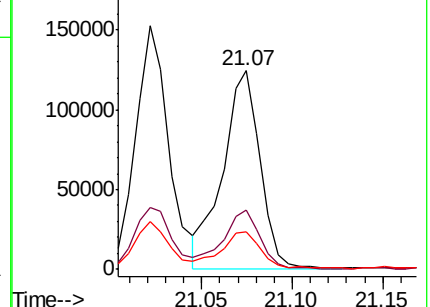
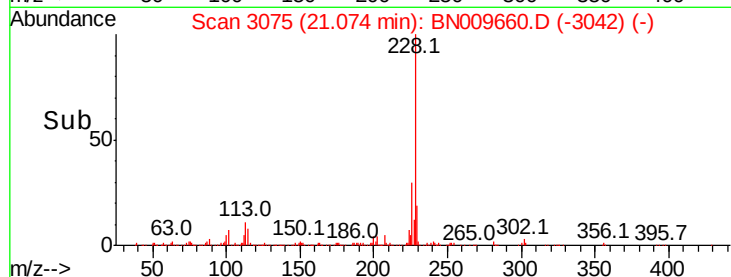
229 19.0 15.8 23.8



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: 4.601 ng/ul

RT: 22.53 min Scan# 3323

Delta R.T. -0.01 min

Lab File: BN009660.D

Acq: 07 Feb 2020 23:25

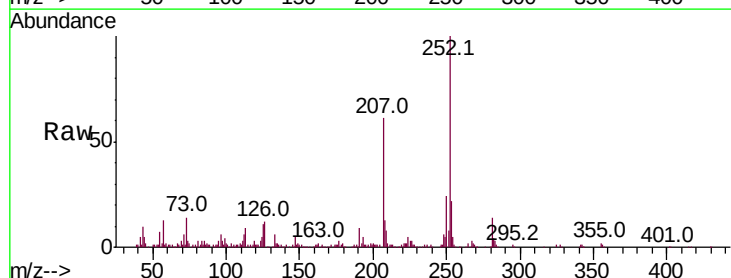
Tgt Ion:252 Resp: 227409

Ion Ratio Lower Upper

252 100

253 21.6 17.0 25.6

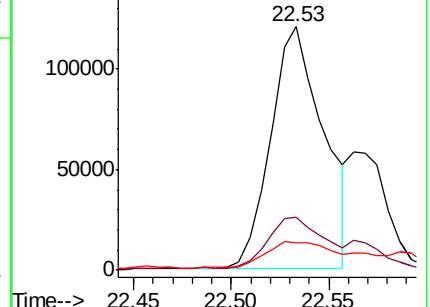
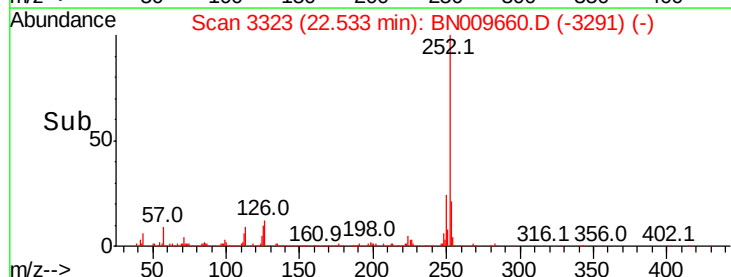
125 11.0 8.2 12.2

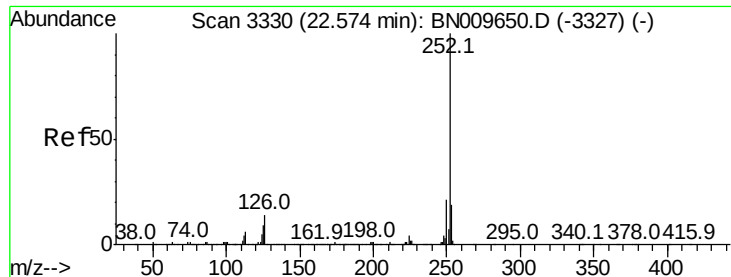


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 4.672 ng/ul

RT: 22.53 min Scan# 3323

Delta R.T. -0.05 min

Lab File: BN009660.D

Acq: 07 Feb 2020 23:25

Instrument :

BNA_N

ClientSampleId :

CB6J8

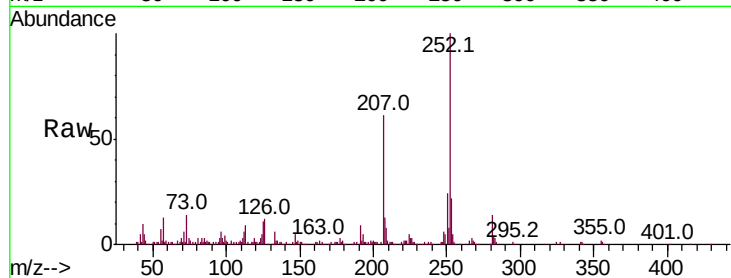
Tot Ion:252 Resp: 227409

Ion Ratio Lower Upper

252 100

253 21.6 17.0 25.4

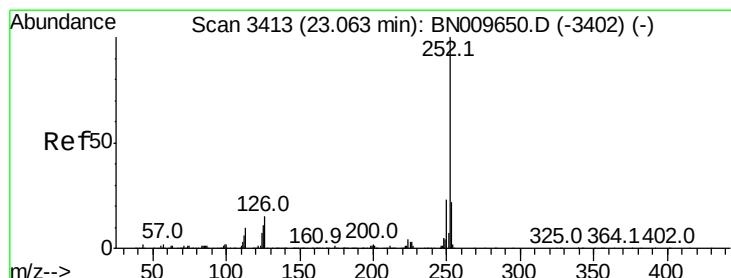
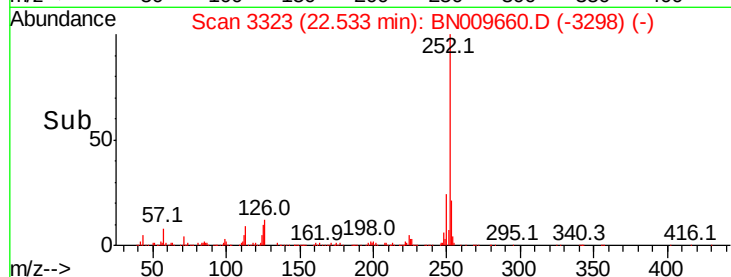
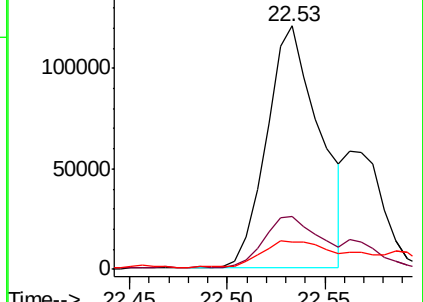
125 11.0 8.0 12.0



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



#90

Benzo(a)pyrene

Concen: 3.274 ng/ul

RT: 23.06 min Scan# 3412

Delta R.T. -0.02 min

Lab File: BN009660.D

Acq: 07 Feb 2020 23:25

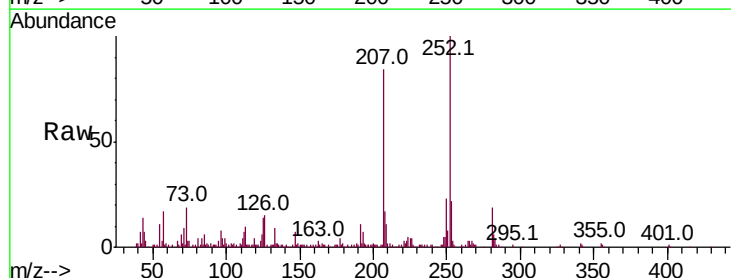
Tgt Ion:252 Resp: 149937

Ion Ratio Lower Upper

252 100

253 22.0 15.8 23.8

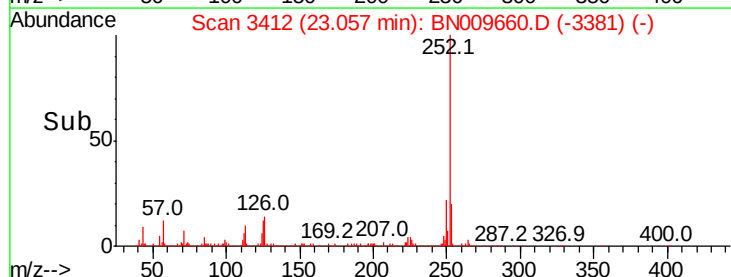
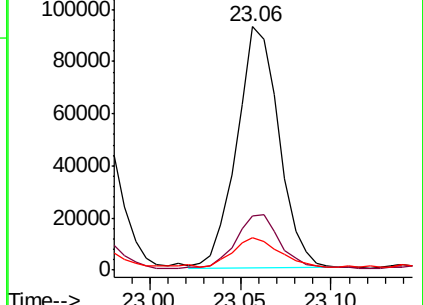
125 13.6 8.7 13.1#

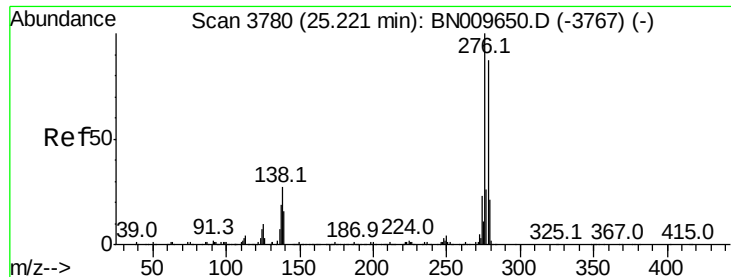


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



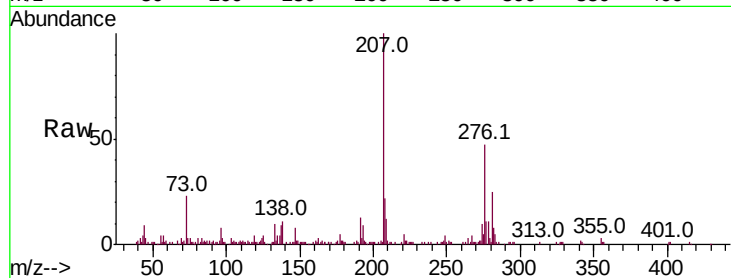


#91

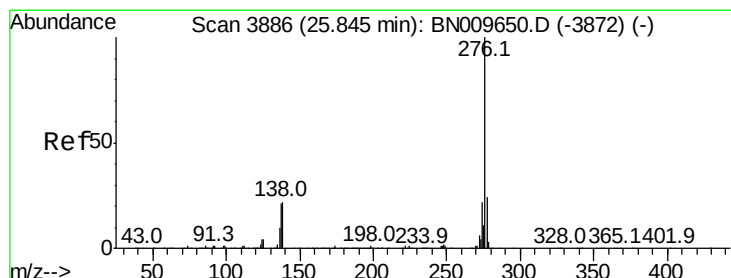
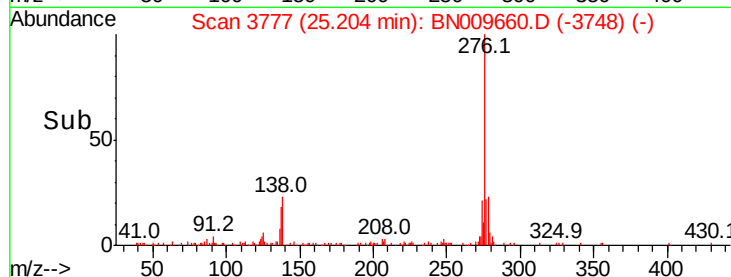
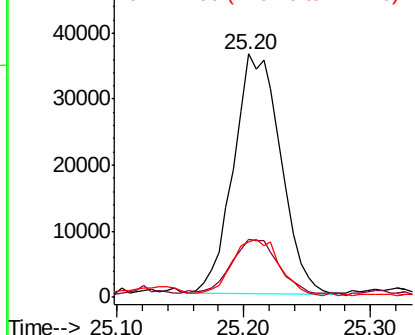
Indeno(1,2,3-cd)pyrene
Concen: 1.721 ng/ul
RT: 25.20 min Scan# 3777
Delta R.T. -0.03 min
Lab File: BN009660.D
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Tot Ion	Ratio	Lower	Upper
276	100		
138	23.6	20.3	30.5
277	22.8	21.2	31.8



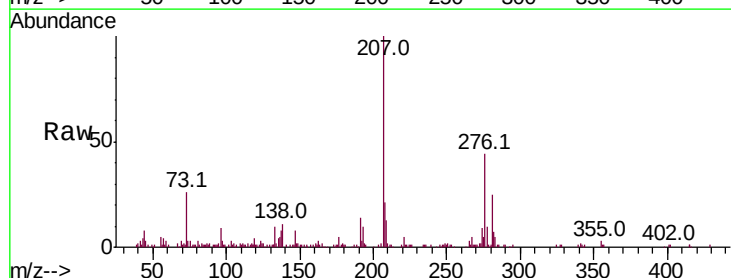
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



#93

Benzo(g,h,i)perylene
Concen: 1.938 ng/ul
RT: 25.83 min Scan# 3884
Delta R.T. -0.02 min
Lab File: BN009660.D
Acq: 07 Feb 2020 23:25

Tgt Ion	Ratio	Lower	Upper
276	100		
138	24.6	16.0	24.0#
277	23.2	17.0	25.6



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

