

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN022220\
 Data File : BN009834.D
 Acq On : 22 Feb 2020 07:38
 Operator : CG/JU
 Sample : L1535-17
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Feb 24 00:22:26 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Feb 19 04:46:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	130203	20.00	ng/ul	-0.02
18) Naphthalene-d8	10.13	136	558515	20.00	ng/ul	-0.03
36) Acenaphthene-d10	14.03	164	344006	20.00	ng/ul	-0.02
62) Phenanthrene-d10	16.79	188	710920	20.00	ng/ul	-0.02
78) Chrysene-d12	21.00	240	610368	20.00	ng/ul	-0.02
86) Perylene-d12	23.10	264	644027	20.00	ng/ul	-0.03

System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.03	96	6609	2.09	ng/uL	-0.02
5) Phenol-d5	6.59	99	113911	10.28	ng/ul	-0.02
7) Bis-(2-Chloroethyl)ether-d	6.75	67	89907	11.76	ng/ul	-0.02
9) 2-Chlorophenol-d4	6.93	132	92810	11.13	ng/ul	-0.02
13) 4-Methylphenol-d8	8.10	113	86671	9.84	ng/ul	-0.02
19) Nitrobenzene-d5	8.54	128	43901	10.74	ng/ul	-0.02
22) 2-Nitrophenol-d4	9.25	143	45032	10.07	ng/ul	-0.02
26) 2,4-Dichlorophenol-d3	9.78	165	85269	9.92	ng/ul	-0.02
29) 4-Chloroaniline-d4	10.30	131	120882	12.52	ng/ul	-0.02
44) Dimethylphthalate-d6	13.46	166	292620	11.39	ng/ul	-0.02
47) Acenaphthylene-d8	13.72	160	347401	11.48	ng/ul	-0.02
52) 4-Nitrophenol-d4	14.29	143	26522	5.65	ng/ul	0.00
58) Fluorene-d10	15.03	176	255750	11.53	ng/ul	-0.02
63) 4,6-Dinitro-2-methylphenol	15.20	200	24041	5.44	ng/ul	-0.01
71) Anthracene-d10	16.89	188	371456	11.40	ng/ul	-0.02
79) Pyrene-d10	19.19	212	420670	13.19	ng/ul	-0.02
90) Benzo(a)pyrene-d12	22.97	264	403970	12.56	ng/ul	-0.04

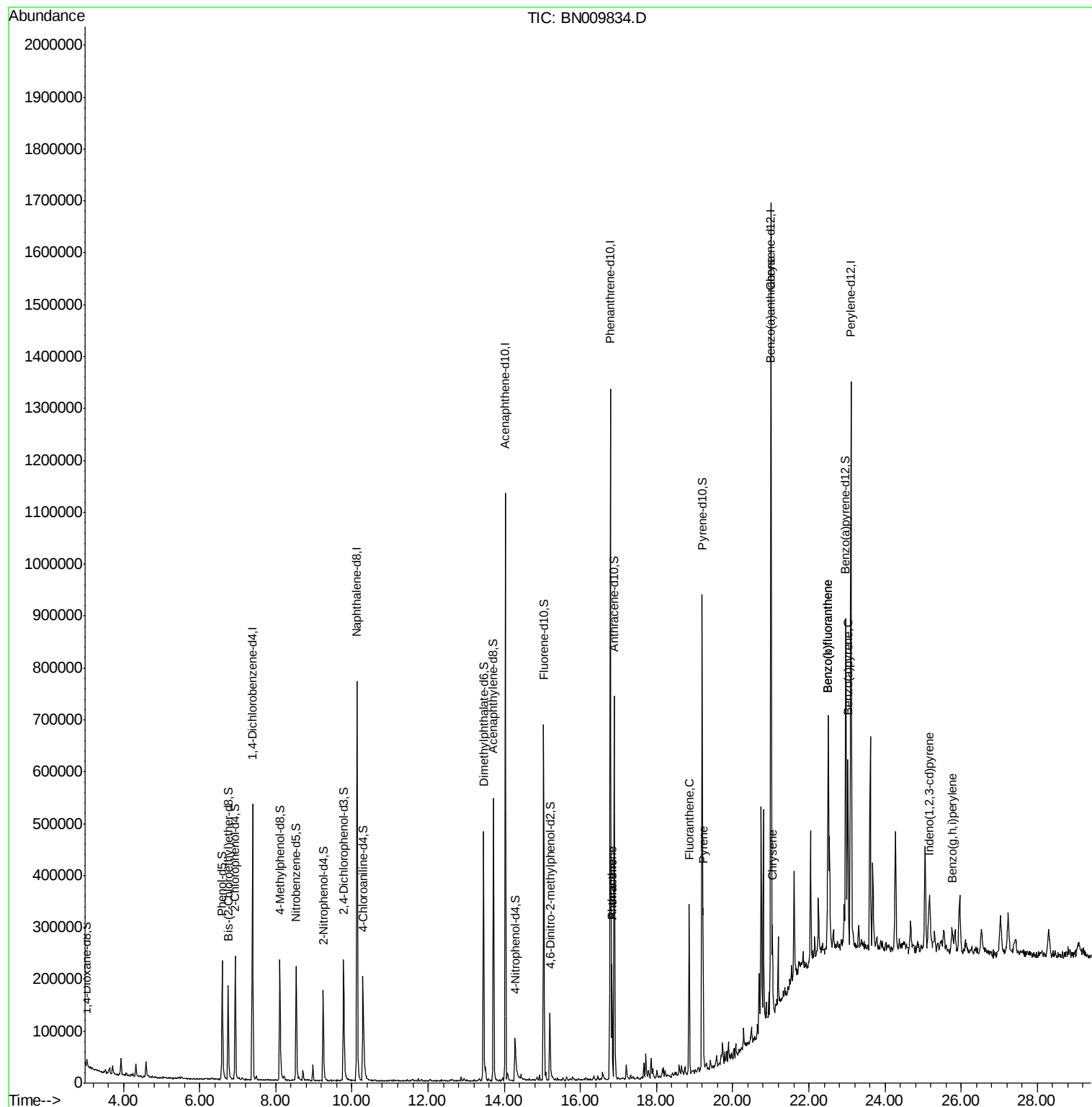
Target Compounds	Ovalue					
70) Phenanthrene	16.83	178	118729	2.926	ng/ul	99
72) Anthracene	16.83	178	118729	2.863	ng/ul	99
77) Fluoranthene	18.86	202	186386	3.922	ng/ul#	95
80) Pyrene	19.22	202	167643	3.810	ng/ul	98
83) Benzo(a)anthracene	20.99	228	85068	2.028	ng/ul	97
85) Chrysene	21.05	228	87360	2.116	ng/ul	96
88) Benzo(b)fluoranthene	22.50	252	112171	2.686	ng/ul#	97
89) Benzo(k)fluoranthene	22.50	252	112171	2.837	ng/ul#	95
91) Benzo(a)pyrene	23.02	252	64527	1.718	ng/ul#	85
92) Indeno(1,2,3-cd)pyrene	25.15	276	48866	1.096	ng/ul	95
94) Benzo(g,h,i)perylene	25.76	276	43836	1.172	ng/ul#	88

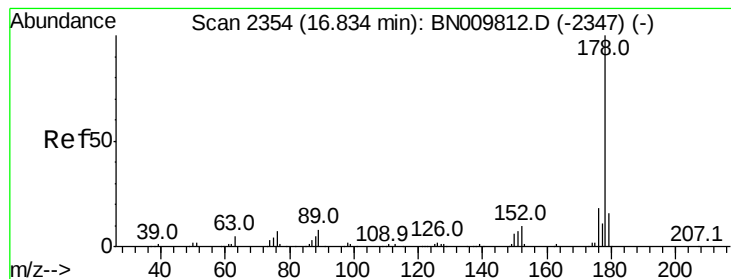
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#70

Phenanthrene

Concen: 2.926 ng/ul

RT: 16.83 min Scan# 2353

Delta R.T. -0.02 min

Lab File: BN009834.D

Acq: 22 Feb 2020 07:38

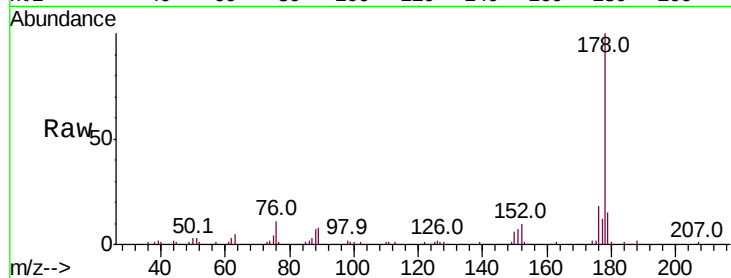
Instrument :

BNA_N

ClientSampleId :

Tot Ion:178 Resp: 118729

Ion	Ratio	Lower	Upper
178	100		
179	15.0	12.5	18.7
176	18.4	14.6	22.0

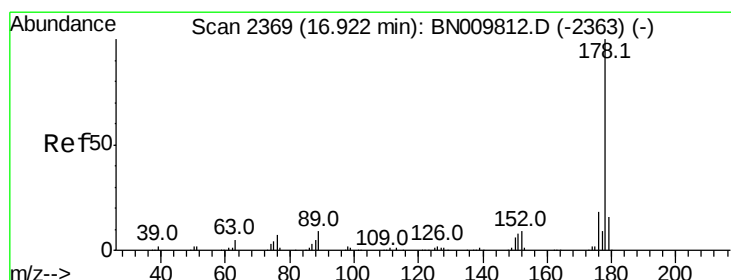
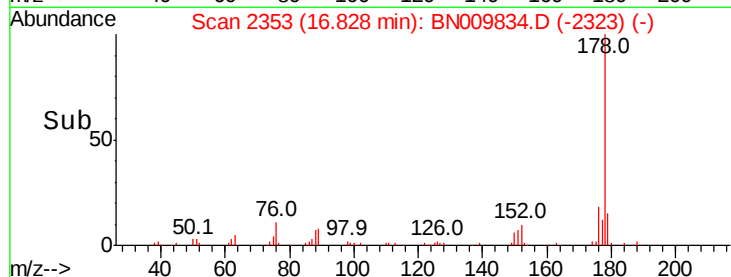
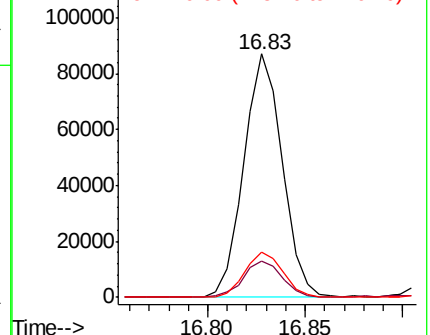


Abundance

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



#72

Anthracene

Concen: 2.863 ng/ul

RT: 16.83 min Scan# 2353

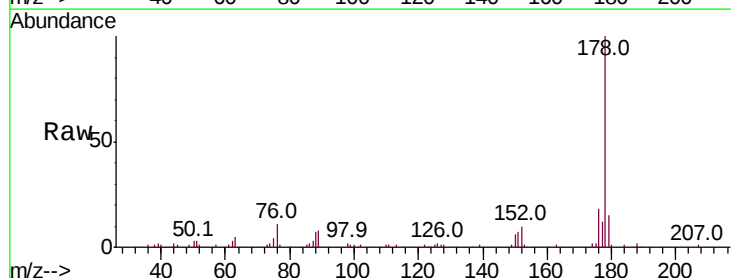
Delta R.T. -0.12 min

Lab File: BN009834.D

Acq: 22 Feb 2020 07:38

Tgt Ion:178 Resp: 118729

Ion	Ratio	Lower	Upper
178	100		
179	15.0	12.2	18.2
176	18.4	14.6	21.8

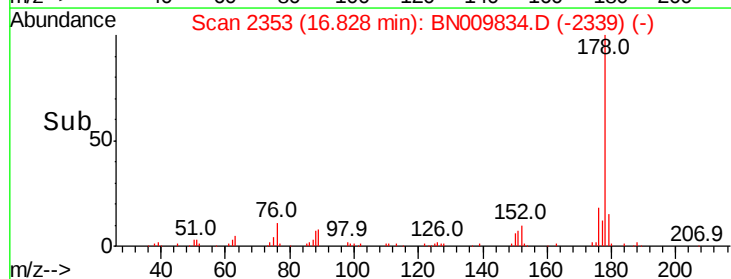
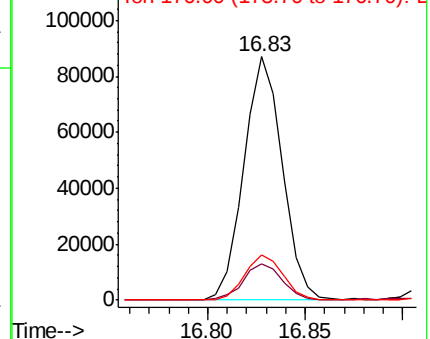


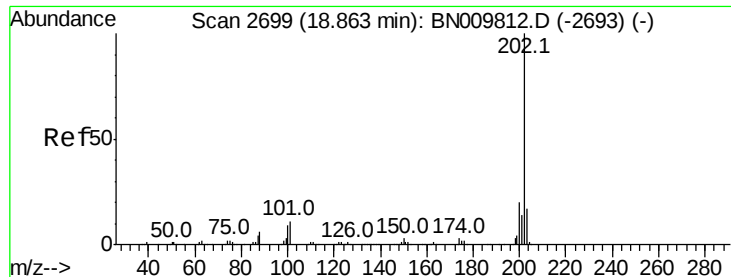
Abundance

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

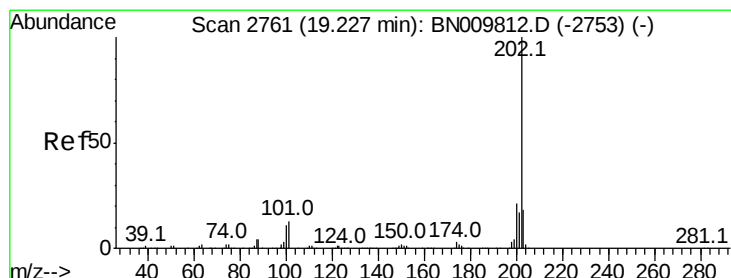
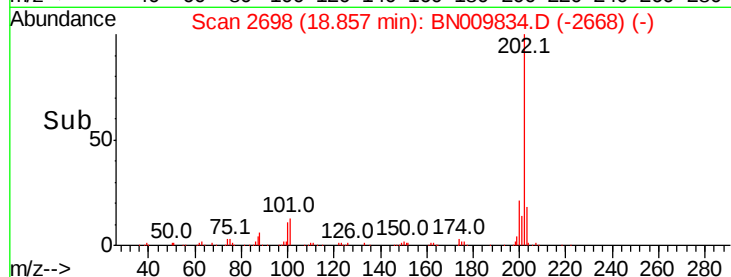
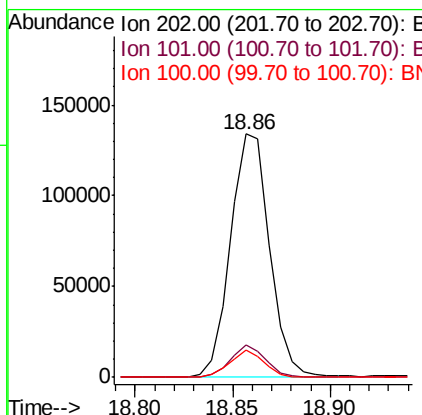
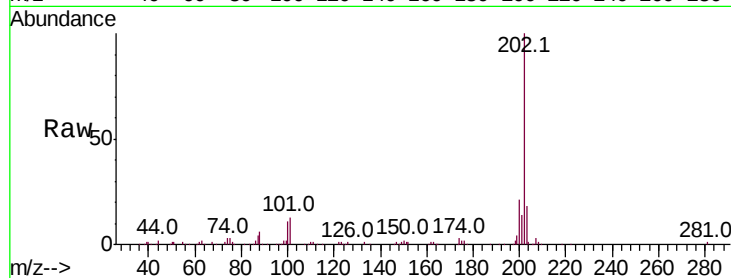




#77
 Fluoranthene
 Concen: 3.922 ng/ul
 RT: 18.86 min Scan# 2698
 Delta R.T. -0.02 min
 Lab File: BN009834.D
 Acq: 22 Feb 2020 07:38

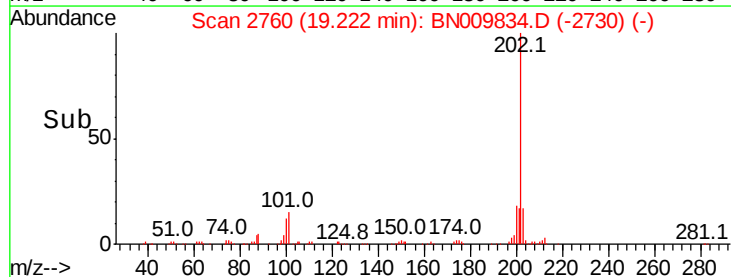
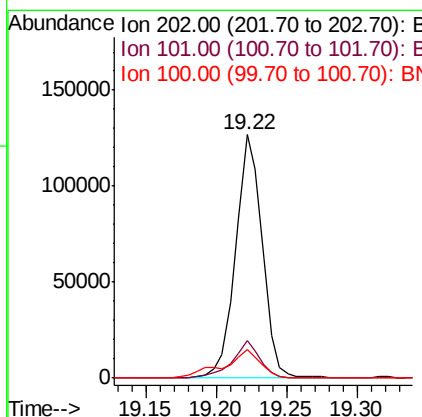
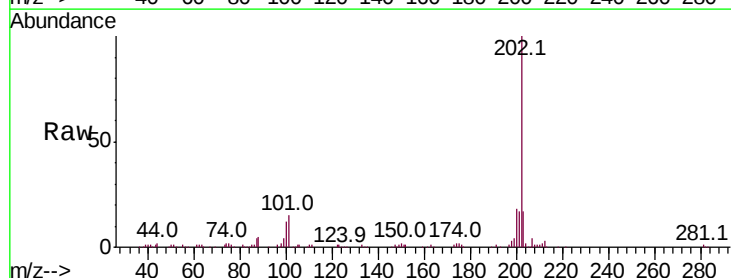
Instrument :
 BNA_N
 ClientSampleId :

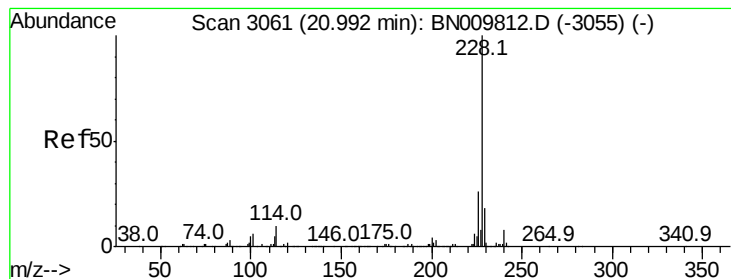
Tot Ion	Ratio	Lower	Upper
202	100		
101	13.4	9.4	14.2
100	11.0	7.2	10.8



#80
 Pyrene
 Concen: 3.810 ng/ul
 RT: 19.22 min Scan# 2760
 Delta R.T. -0.02 min
 Lab File: BN009834.D
 Acq: 22 Feb 2020 07:38

Tgt Ion	Ratio	Lower	Upper
202	100		
101	15.3	11.3	16.9
100	11.8	9.0	13.6





#83

Benzo(a)anthracene

Concen: 2.028 ng/ul

RT: 20.99 min Scan# 3061

Delta R.T. -0.02 min

Lab File: BN009834.D

Acq: 22 Feb 2020 07:38

Instrument :

BNA_N

ClientSampleId :

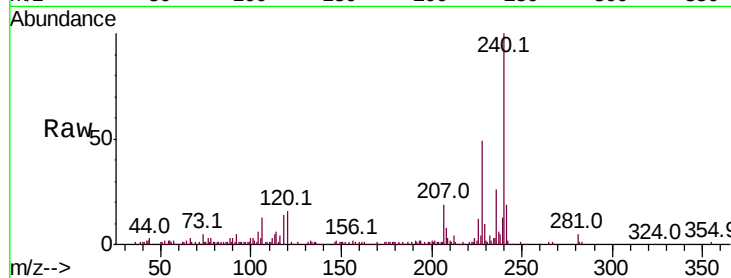
Tot Ion:228 Resp: 85068

Ion Ratio Lower Upper

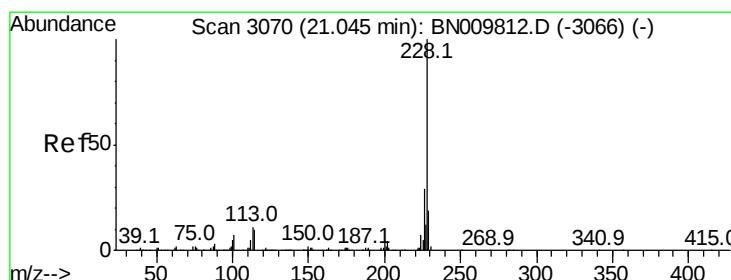
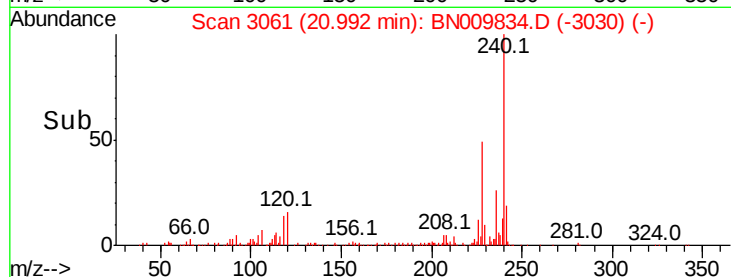
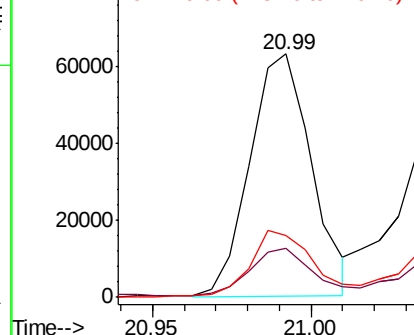
228 100

229 20.4 15.0 22.4

226 25.5 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



#85

Chrysene

Concen: 2.116 ng/ul

RT: 21.05 min Scan# 3070

Delta R.T. -0.02 min

Lab File: BN009834.D

Acq: 22 Feb 2020 07:38

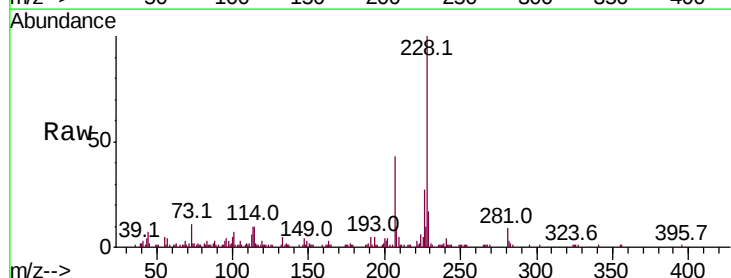
Tgt Ion:228 Resp: 87360

Ion Ratio Lower Upper

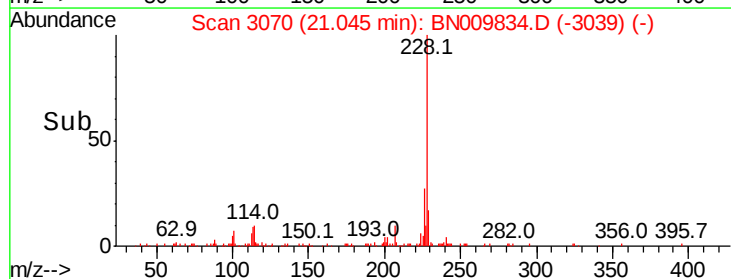
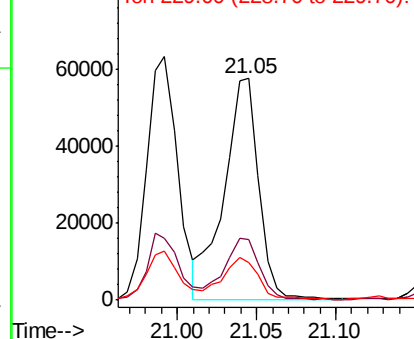
228 100

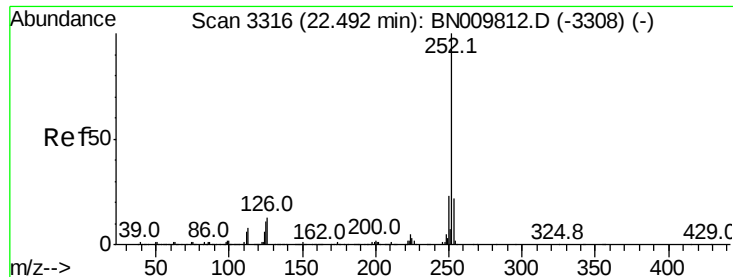
226 27.2 23.4 35.2

229 16.7 15.0 22.4



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





#88

Benzo(b)fluoranthene

Concen: 2.686 ng/ul

RT: 22.50 min Scan# 3317

Delta R.T. -0.02 min

Lab File: BN009834.D

Acq: 22 Feb 2020 07:38

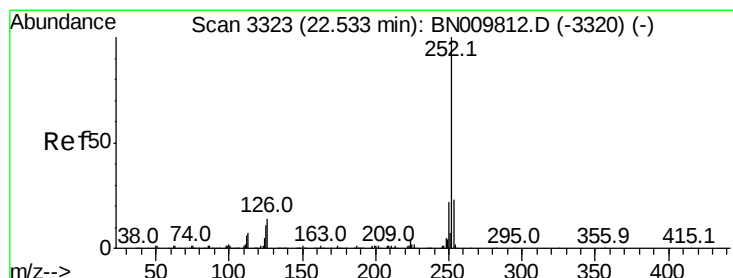
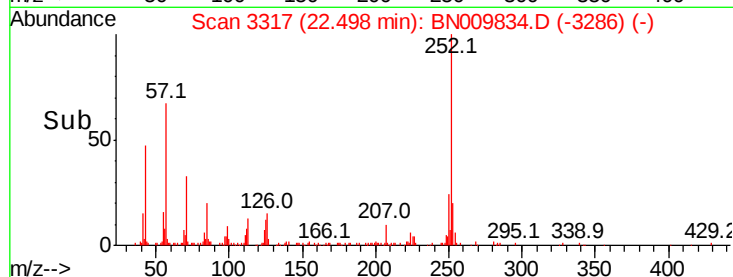
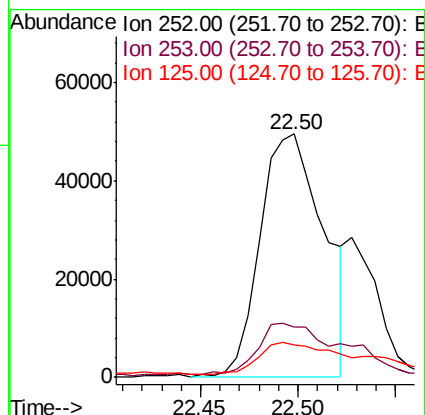
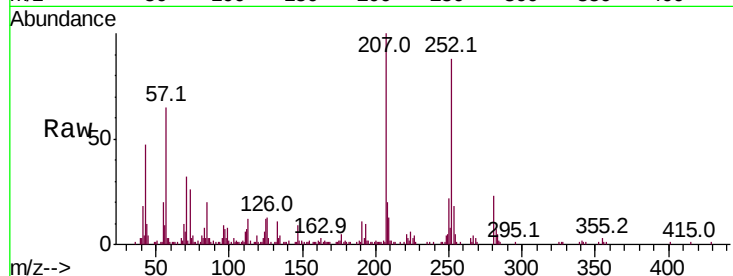
Instrument :

BNA_N

ClientSampleId :

Tot Ion:252 Resp: 112171

Ion	Ratio	Lower	Upper
252	100		
253	20.9	17.0	25.4
125	13.4	8.0	12.0#



#89

Benzo(k)fluoranthene

Concen: 2.837 ng/ul

RT: 22.50 min Scan# 3317

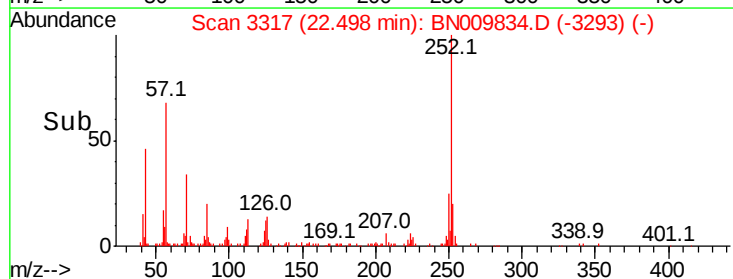
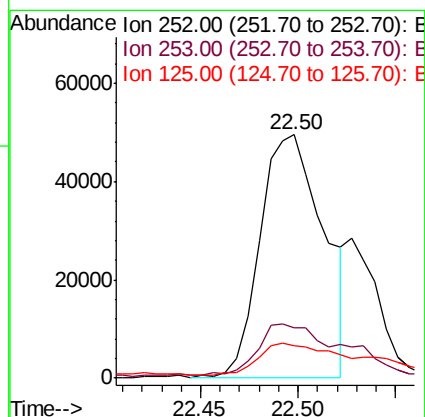
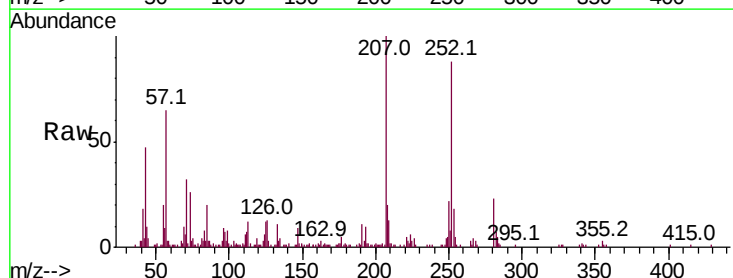
Delta R.T. -0.06 min

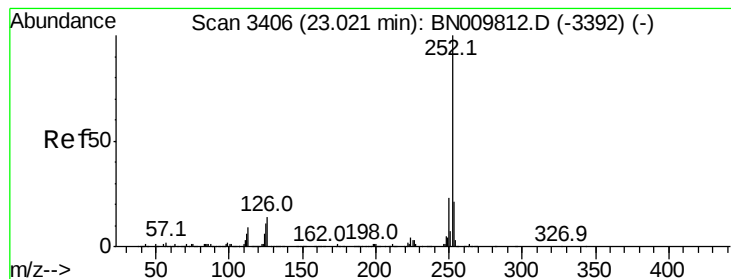
Lab File: BN009834.D

Acq: 22 Feb 2020 07:38

Tgt Ion:252 Resp: 112171

Ion	Ratio	Lower	Upper
252	100		
253	20.9	18.0	27.0
125	13.4	8.2	12.2#





#91

Benzo(a)pyrene

Concen: 1.718 ng/ul

RT: 23.02 min Scan# 3405

Delta R.T. -0.02 min

Lab File: BN009834.D

Acq: 22 Feb 2020 07:38

Instrument :

BNA_N

ClientSampleId :

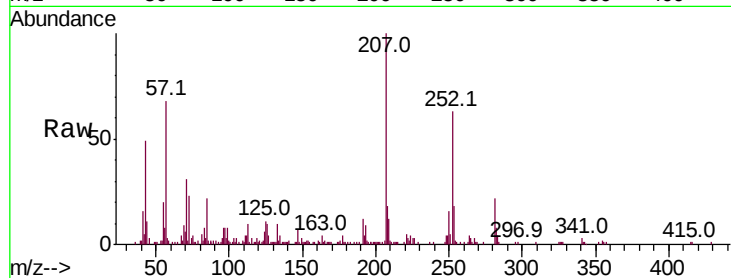
Tot Ion:252 Resp: 64527

Ion Ratio Lower Upper

252 100

253 28.9 17.4 26.0#

125 16.9 9.0 13.6#

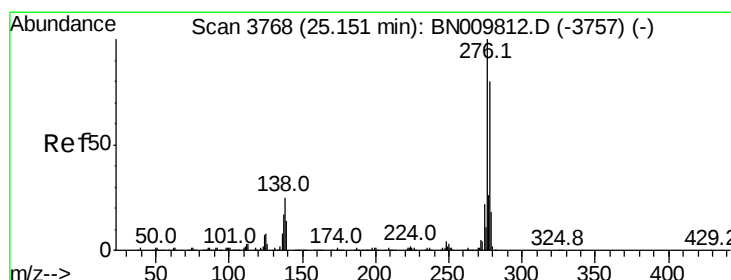
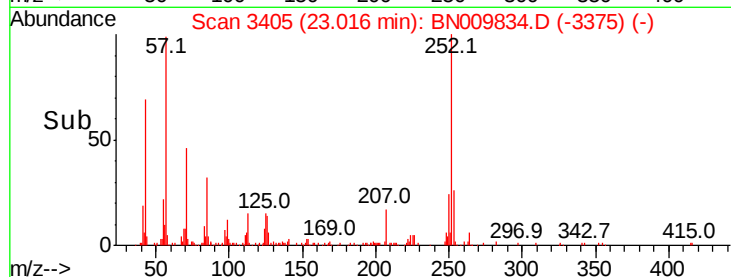
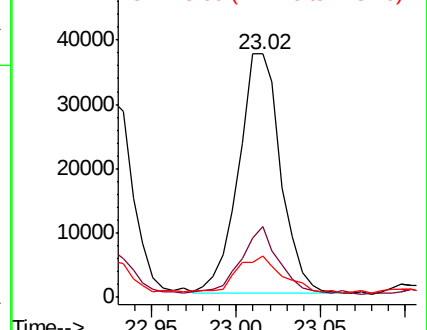


Abundance

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



#92

Indeno(1,2,3-cd)pyrene

Concen: 1.096 ng/ul

RT: 25.15 min Scan# 3768

Delta R.T. -0.03 min

Lab File: BN009834.D

Acq: 22 Feb 2020 07:38

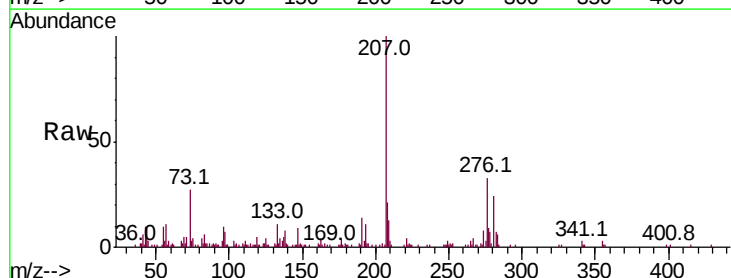
Tgt Ion:276 Resp: 48866

Ion Ratio Lower Upper

276 100

138 25.1 20.9 31.3

277 26.5 18.2 27.4

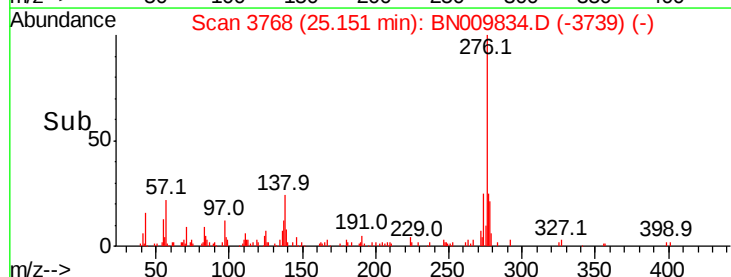
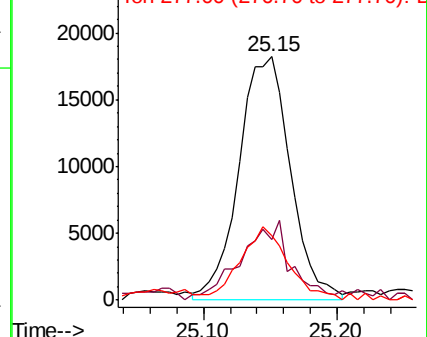


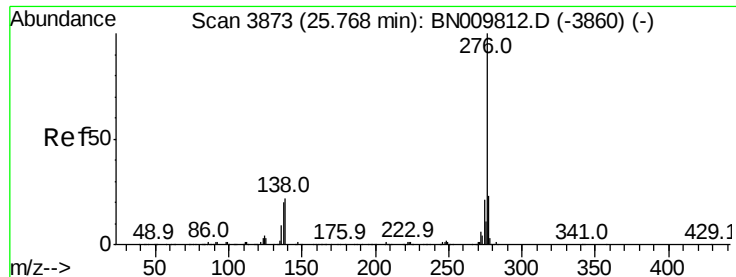
Abundance

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





#94

Benzo(a,h,i)perylene

Concen: 1.172 ng/ul

RT: 25.76 min Scan# 3872

Delta R.T. -0.04 min

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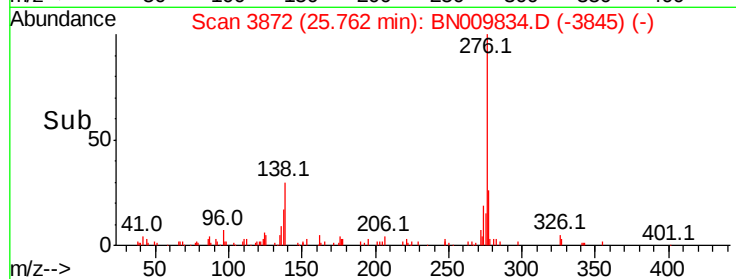
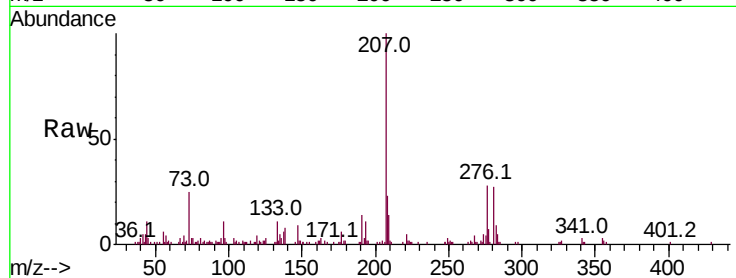
Tot Ion:276 Resp: 43836

Ion Ratio Lower Upper

276 100

138 29.9 17.5 26.3#

277 25.9 18.1 27.1



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

