

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN022220\
 Data File : BN009818.D
 Acq On : 21 Feb 2020 21:30
 Operator : CG/JU
 Sample : L1535-04
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Feb 21 22:37:50 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Feb 21 22:14:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	117260	20.00	ng/ul	-0.02
18) Naphthalene-d8	10.14	136	489405	20.00	ng/ul	-0.02
36) Acenaphthene-d10	14.03	164	310896	20.00	ng/ul	-0.02
62) Phenanthrene-d10	16.79	188	641084	20.00	ng/ul	-0.02
78) Chrysene-d12	21.00	240	566452	20.00	ng/ul	-0.02
86) Perylene-d12	23.10	264	606097	20.00	ng/ul	-0.03

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.05	96	5900	2.07	ng/uL	0.00
5) Phenol-d5	6.60	99	90519	9.07	ng/ul	-0.02
7) Bis-(2-Chloroethyl)ether-d	6.75	67	71313	10.36	ng/ul	-0.02
9) 2-Chlorophenol-d4	6.93	132	76099	10.13	ng/ul	-0.02
13) 4-Methylphenol-d8	8.11	113	63514	8.01	ng/ul	-0.02
19) Nitrobenzene-d5	8.54	128	35051	9.79	ng/ul	-0.02
22) 2-Nitrophenol-d4	9.25	143	38460	9.82	ng/ul	-0.02
26) 2,4-Dichlorophenol-d3	9.79	165	68148	9.05	ng/ul	-0.01
29) 4-Chloroaniline-d4	10.30	131	90906	10.75	ng/ul	-0.01
44) Dimethylphthalate-d6	13.46	166	258055	11.11	ng/ul	-0.01
47) Acenaphthylene-d8	13.72	160	290371	10.62	ng/ul	-0.02
52) 4-Nitrophenol-d4	14.29	143	23903	5.64	ng/ul	0.00
58) Fluorene-d10	15.04	176	224936	11.22	ng/ul	-0.02
63) 4,6-Dinitro-2-methylphenol	15.20	200	24730	6.21	ng/ul	-0.01
71) Anthracene-d10	16.89	188	327166	11.13	ng/ul	-0.02
79) Pyrene-d10	19.19	212	389152	13.14	ng/ul	-0.02
90) Benzo(a)pyrene-d12	22.97	264	368584	12.18	ng/ul	-0.04

Target Compounds

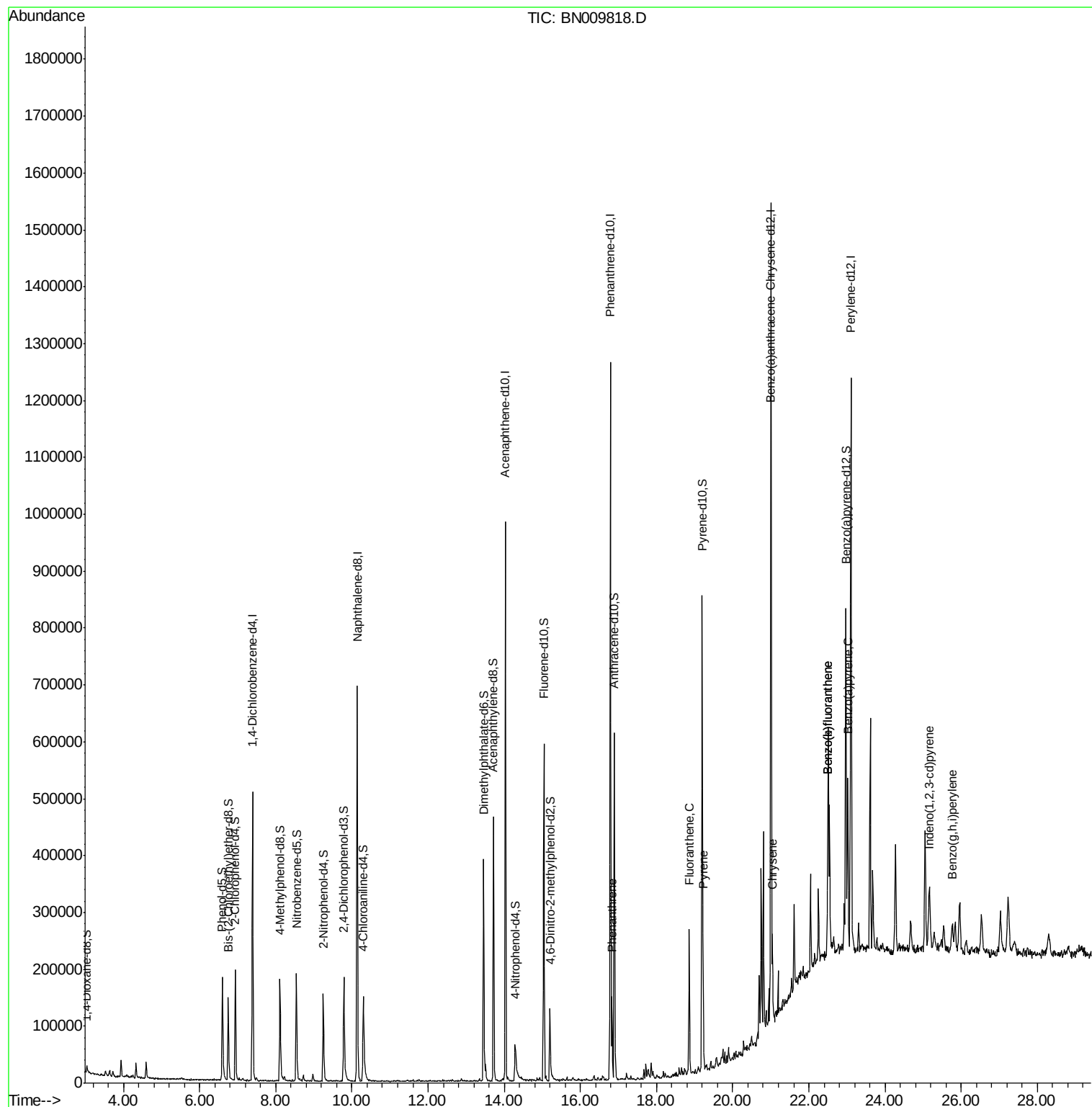
					Ovalue
70) Phenanthrene	16.83	178	80181	2.192 ng/ul	97
77) Fluoranthene	18.86	202	145224	3.389 ng/ul	98
80) Pyrene	19.22	202	136368	3.339 ng/ul	98
83) Benzo(a)anthracene	20.99	228	70673	1.816 ng/ul	97
85) Chrysene	21.04	228	78439	2.047 ng/ul	96
88) Benzo(b)fluoranthene	22.49	252	104134	2.650 ng/ul#	94
89) Benzo(k)fluoranthene	22.49	252	104134	2.799 ng/ul#	96
91) Benzo(a)pyrene	23.02	252	63578	1.799 ng/ul#	95
92) Indeno(1,2,3-cd)pyrene	25.15	276	50797	1.211 ng/ul	95
94) Benzo(a,h,i)perylene	25.76	276	48944	1.391 ng/ul	95

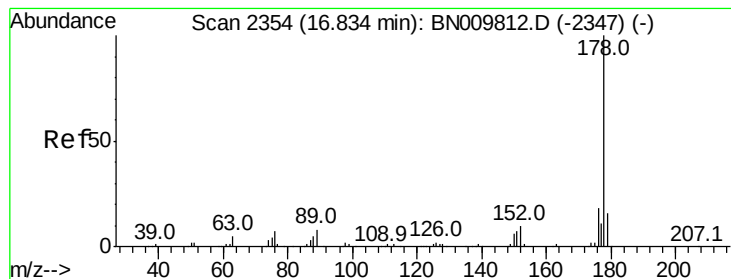
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
QLast Update : Fri Feb 21 22:14:17 2020
Response via : Initial Calibration





#70

Phenanthrene

Concen: 2.192 ng/ul

RT: 16.83 min Scan# 2353

Delta R.T. -0.02 min

Lab File: BN009818.D

Acq: 21 Feb 2020 21:30

Instrument :

BNA_N

ClientSampleId :

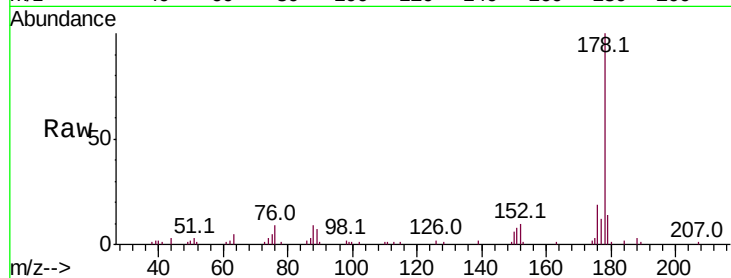
Tot Ion:178 Resp: 80181

Ion Ratio Lower Upper

178 100

179 14.4 12.5 18.7

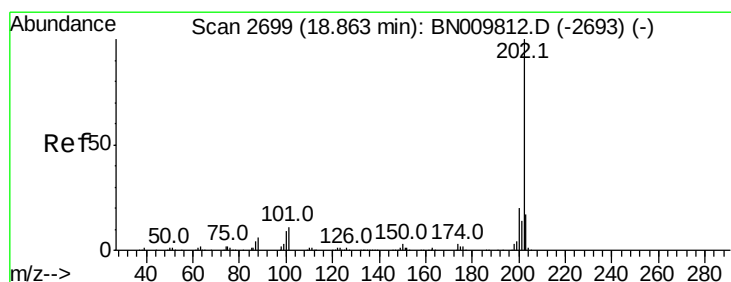
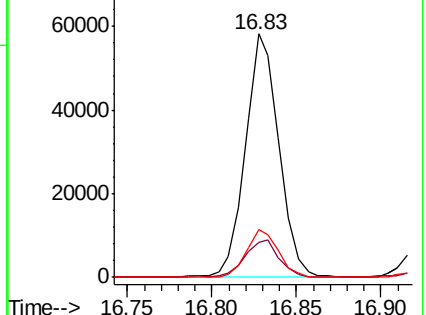
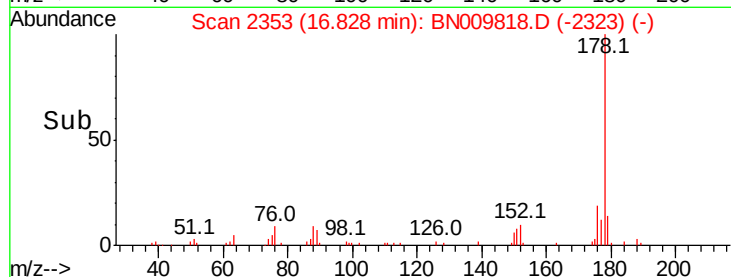
176 19.4 14.6 22.0



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



#77

Fluoranthene

Concen: 3.389 ng/ul

RT: 18.86 min Scan# 2699

Delta R.T. -0.02 min

Lab File: BN009818.D

Acq: 21 Feb 2020 21:30

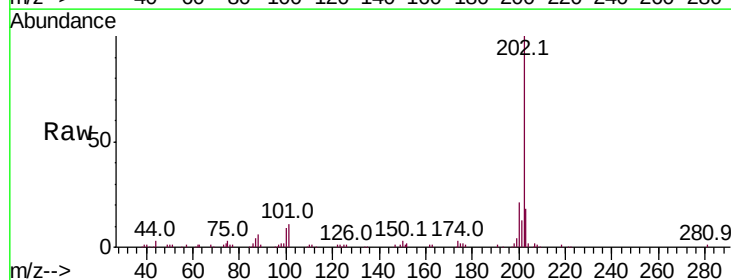
Tgt Ion:202 Resp: 145224

Ion Ratio Lower Upper

202 100

101 10.7 9.4 14.2

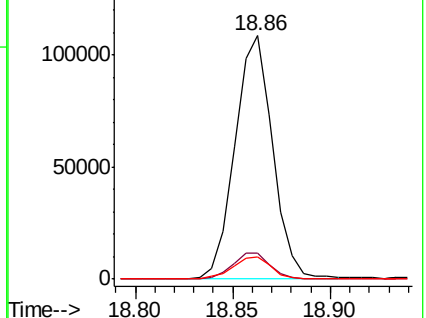
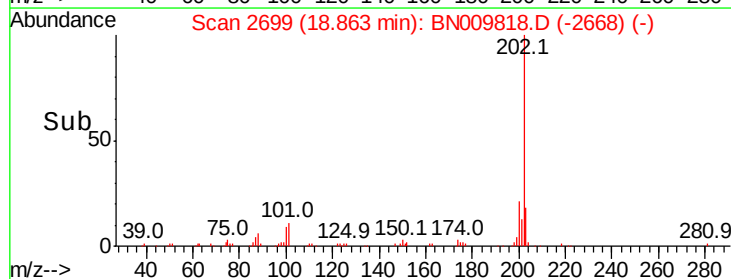
100 8.9 7.2 10.8

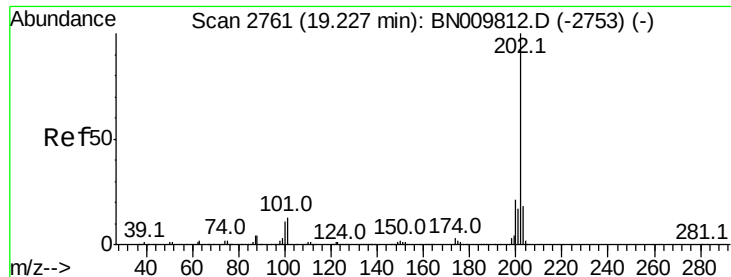


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

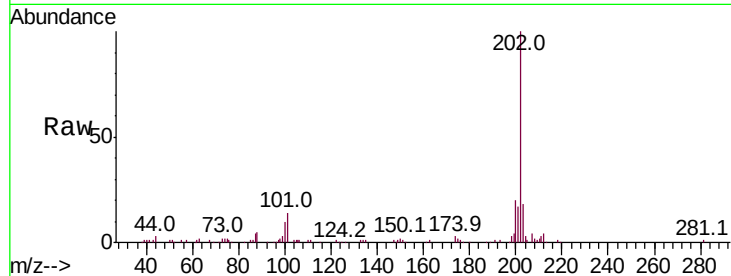




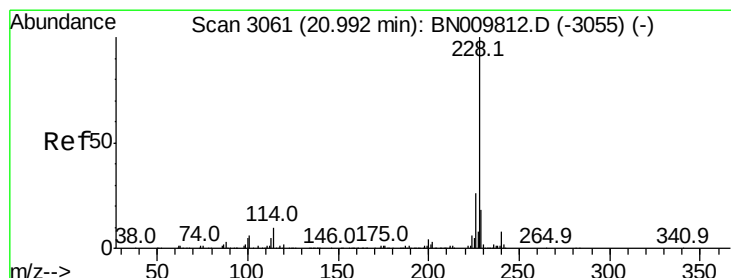
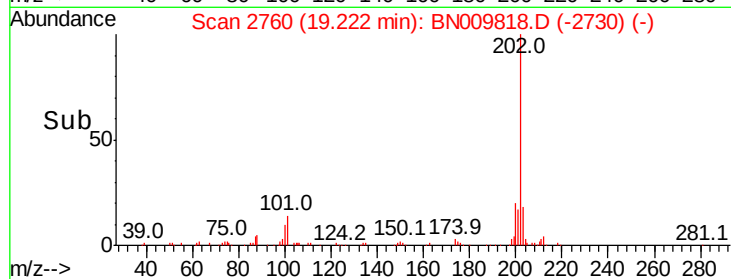
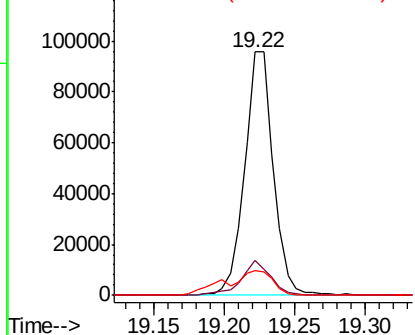
#80
Pvrene
Concen: 3.339 ng/ul
RT: 19.22 min Scan# 2760
Delta R.T. -0.02 min
Lab File: BN009818.D
Acq: 21 Feb 2020 21:30

Instrument :
BNA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
101	14.5	11.3	16.9
100	10.4	9.0	13.6

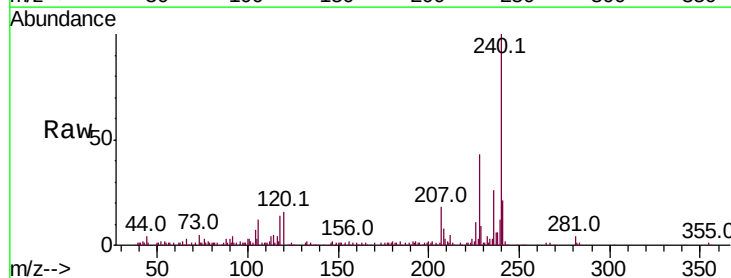


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

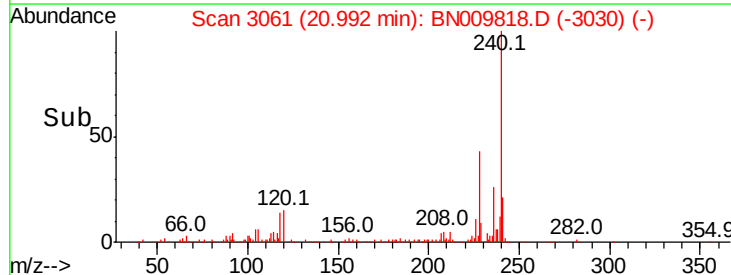
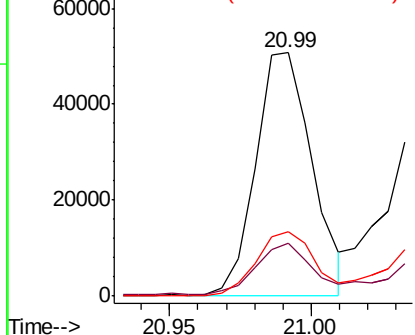


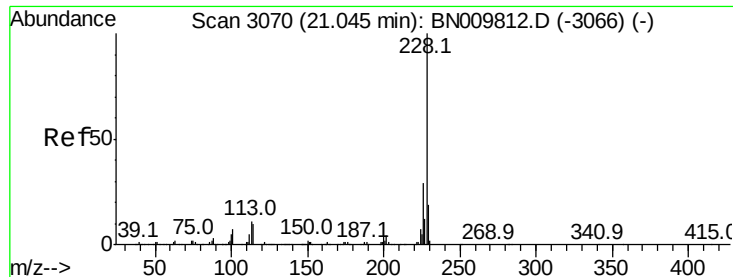
#83
Benzo(a)anthracene
Concen: 1.816 ng/ul
RT: 20.99 min Scan# 3061
Delta R.T. -0.02 min
Lab File: BN009818.D
Acq: 21 Feb 2020 21:30

Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.5	15.0	22.4
226	26.2	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: 2.047 ng/ul

RT: 21.04 min Scan# 3069

Delta R.T. -0.02 min

Lab File: BN009818.D

Acq: 21 Feb 2020 21:30

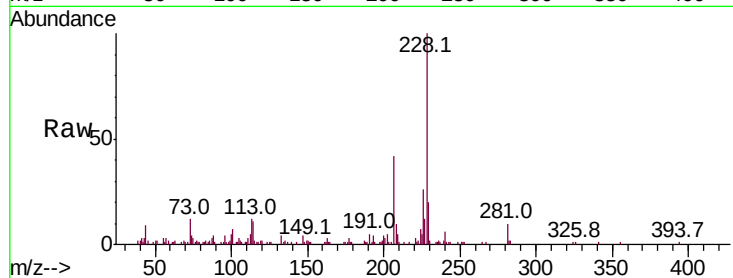
Instrument :

BNA_N

ClientSampleId :

Tot Ion:228 Resp: 78439

Ion	Ratio	Lower	Upper
228	100		
226	26.1	23.4	35.2
229	19.7	15.0	22.4

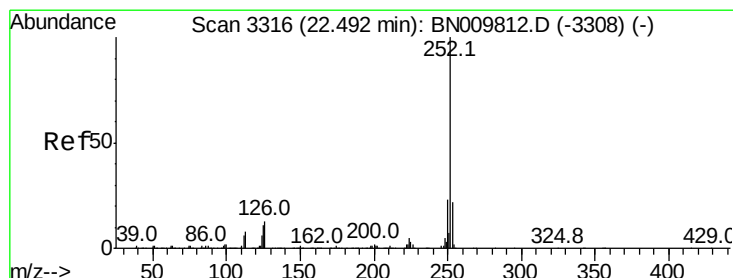
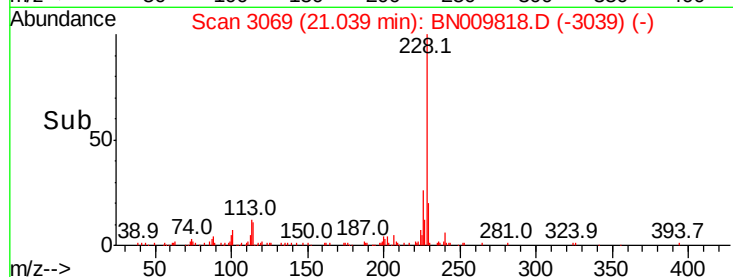
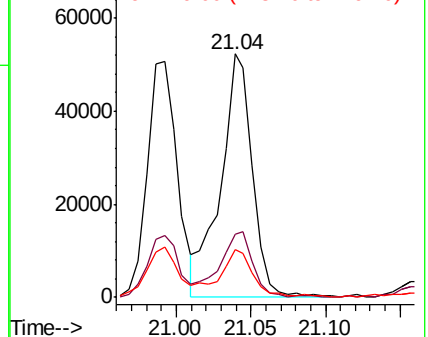


Abundance

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: 2.650 ng/ul

RT: 22.49 min Scan# 3316

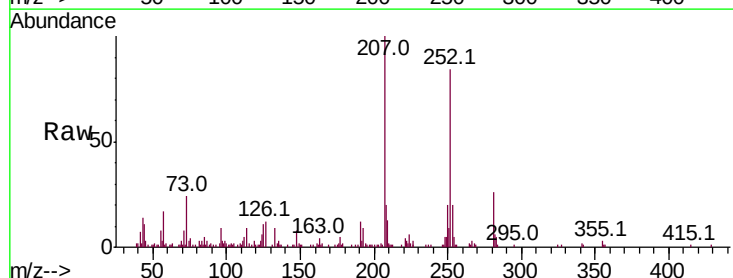
Delta R.T. -0.02 min

Lab File: BN009818.D

Acq: 21 Feb 2020 21:30

Tgt Ion:252 Resp: 104134

Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.0	25.4
125	12.9	8.0	12.0#

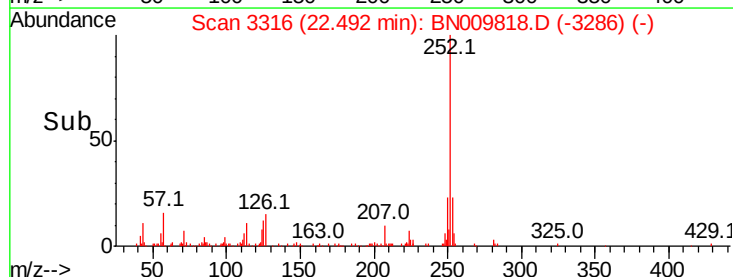
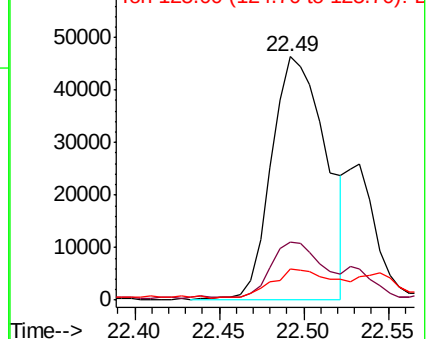


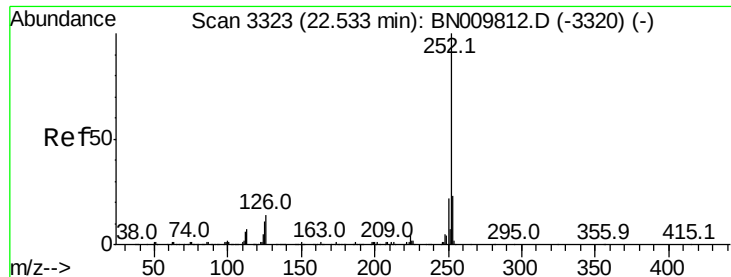
Abundance

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





#89

Benzo(k)fluoranthene

Concen: 2.799 ng/ul

RT: 22.49 min Scan# 3316

Delta R.T. -0.06 min

Lab File: BN009818.D

Acq: 21 Feb 2020 21:30

Instrument :

BNA_N

ClientSampleId :

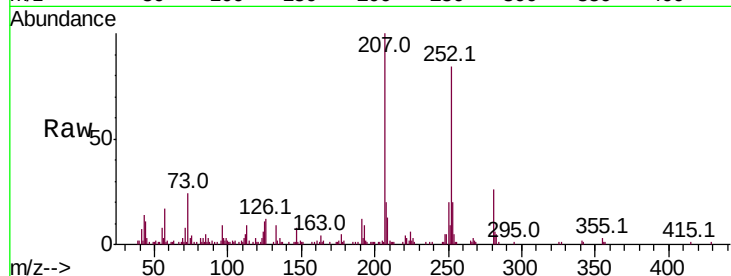
Tot Ion:252 Resp: 104134

Ion Ratio Lower Upper

252 100

253 23.8 18.0 27.0

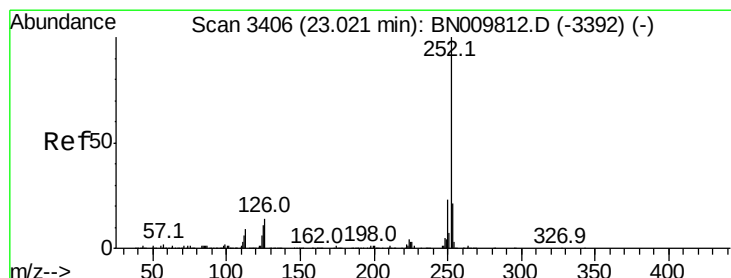
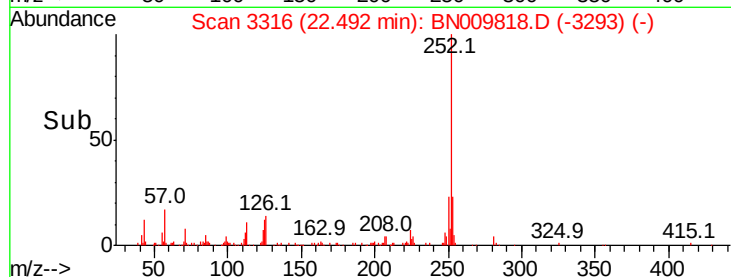
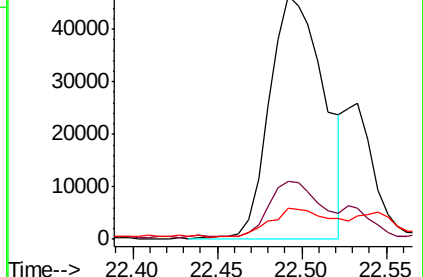
125 12.9 8.2 12.2#



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



#91

Benzo(a)pyrene

Concen: 1.799 ng/ul

RT: 23.02 min Scan# 3405

Delta R.T. -0.02 min

Lab File: BN009818.D

Acq: 21 Feb 2020 21:30

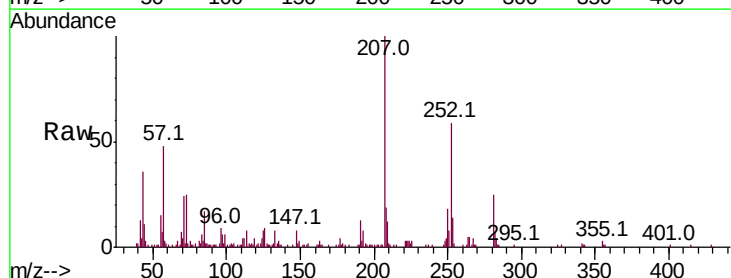
Tgt Ion:252 Resp: 63578

Ion Ratio Lower Upper

252 100

253 23.5 17.4 26.0

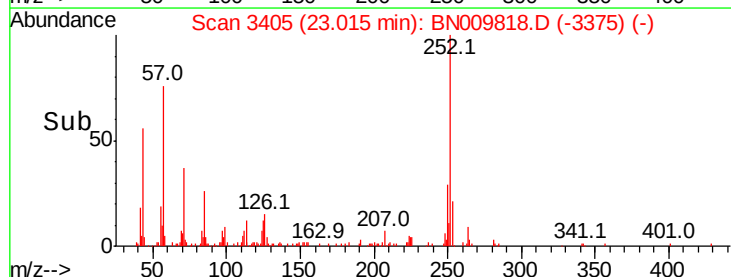
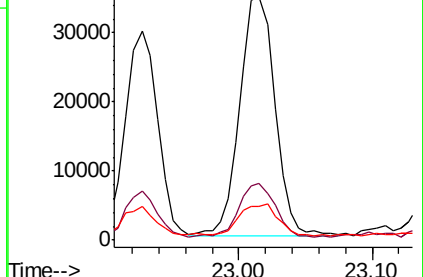
125 13.6 9.0 13.6#

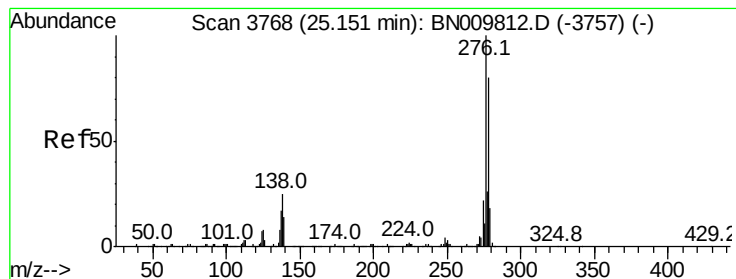


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



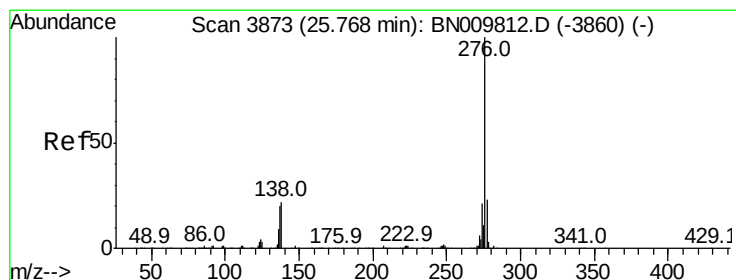
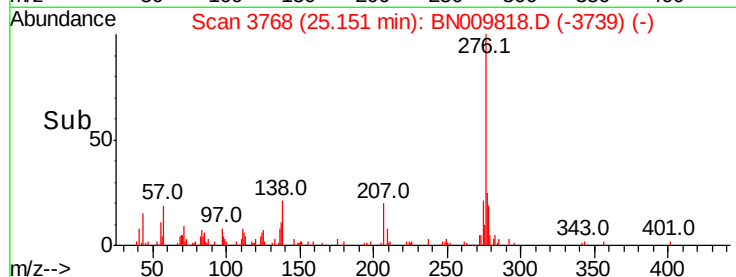
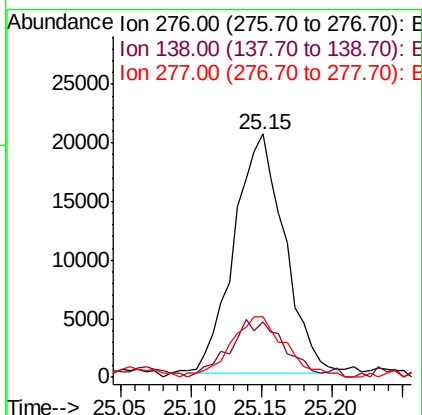
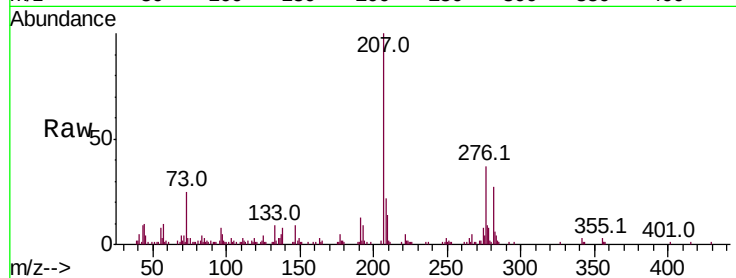


#92

Indeno(1,2,3-cd)pyrene
Concen: 1.211 ng/ul
RT: 25.15 min Scan# 3768
Delta R.T. -0.03 min
Lab File: BN009818.D
Acq: 21 Feb 2020 21:30

Instrument :
BNA_N
ClientSampled :

Tot Ion	Ratio	Lower	Upper
276	100		
138	23.0	20.9	31.3
277	24.6	18.2	27.4



#94

Benzo(g,h,i)perylene
Concen: 1.391 ng/ul
RT: 25.76 min Scan# 3872
Delta R.T. -0.04 min
Lab File: BN009818.D
Acq: 21 Feb 2020 21:30

Tgt Ion	Ratio	Lower	Upper
276	100		
138	18.5	17.5	26.3
277	24.0	18.1	27.1

