

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN022220\
 Data File : BN009821.D
 Acq On : 21 Feb 2020 23:18
 Operator : CG/JU
 Sample : L1535-07
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Feb 22 01:25:17 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	98146	20.00	ng/ul	-0.02
18) Naphthalene-d8	10.14	136	424807	20.00	ng/ul	-0.02
36) Acenaphthene-d10	14.03	164	279429	20.00	ng/ul	-0.02
62) Phenanthrene-d10	16.79	188	590693	20.00	ng/ul	-0.02
78) Chrysene-d12	21.00	240	548812	20.00	ng/ul	-0.02
86) Perylene-d12	23.10	264	618770	20.00	ng/ul	-0.03

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.03	96	3804	1.59	ng/uL	-0.02
5) Phenol-d5	6.60	99	58831	7.05	ng/ul	-0.02
7) Bis-(2-Chloroethyl)ether-d	6.75	67	48149	8.36	ng/ul	-0.02
9) 2-Chlorophenol-d4	6.93	132	49545	7.88	ng/ul	-0.02
13) 4-Methylphenol-d8	8.11	113	45806	6.90	ng/ul	-0.02
19) Nitrobenzene-d5	8.54	128	23463	7.55	ng/ul	-0.02
22) 2-Nitrophenol-d4	9.25	143	24490	7.20	ng/ul	-0.02
26) 2,4-Dichlorophenol-d3	9.79	165	48729	7.46	ng/ul	0.00
29) 4-Chloroaniline-d4	10.30	131	63503	8.65	ng/ul	-0.01
44) Dimethylphthalate-d6	13.46	166	183021	8.77	ng/ul	-0.01
47) Acenaphthylene-d8	13.72	160	201566	8.20	ng/ul	-0.02
52) 4-Nitrophenol-d4	14.30	143	11195	2.94	ng/ul	0.00
58) Fluorene-d10	15.04	176	161822	8.98	ng/ul	-0.02
63) 4,6-Dinitro-2-methylphenol	15.20	200	16196	4.41	ng/ul	0.00
71) Anthracene-d10	16.89	188	240356	8.88	ng/ul	-0.02
79) Pyrene-d10	19.19	212	286714	10.00	ng/ul	-0.02
90) Benzo(a)pyrene-d12	22.97	264	296041	9.58	ng/ul	-0.03

Target Compounds

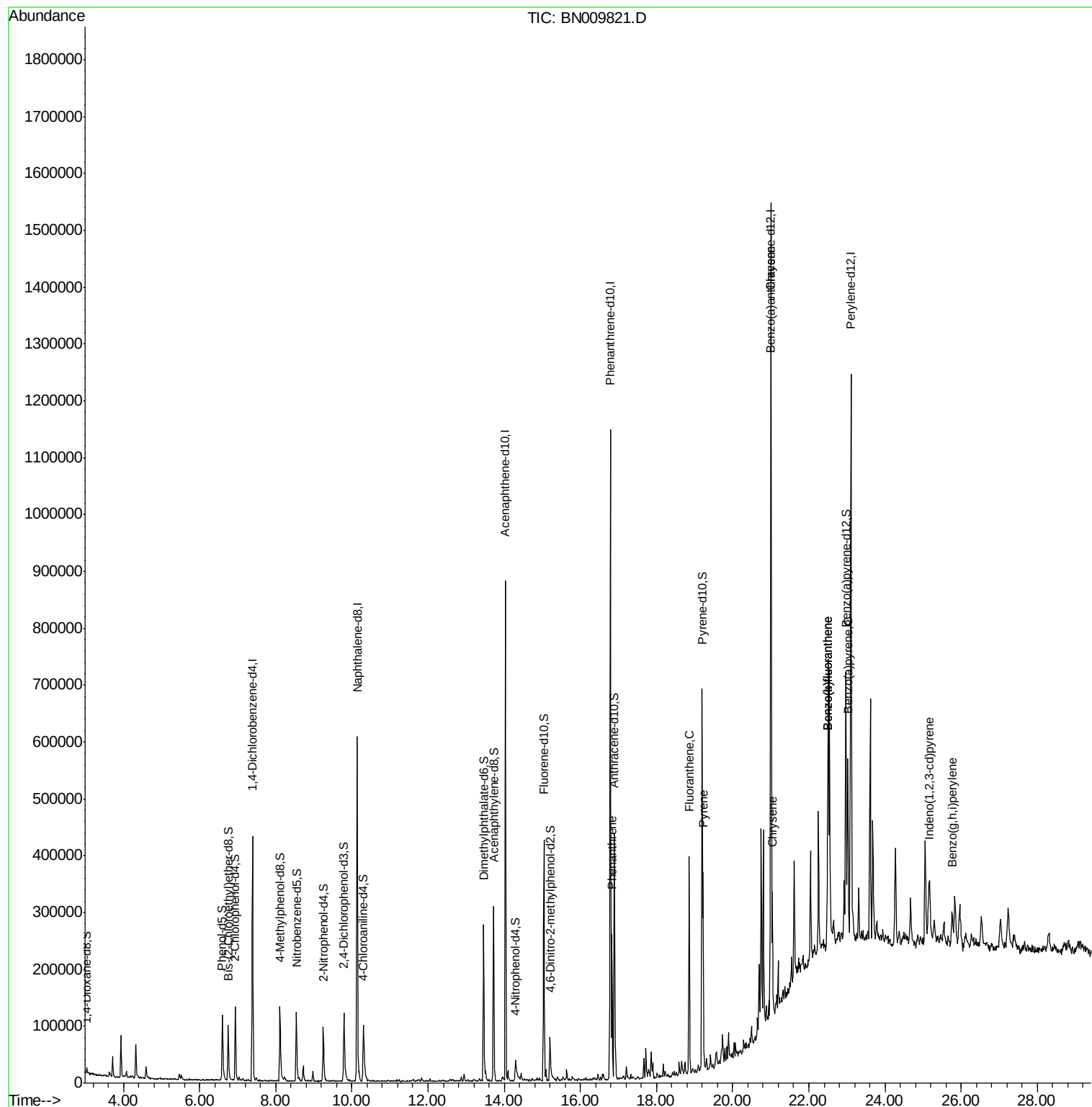
					Ovalue
70) Phenanthrene	16.83	178	141295	4.191 ng/ul	96
77) Fluoranthene	18.86	202	219689	5.563 ng/ul	98
80) Pyrene	19.23	202	210130	5.311 ng/ul	96
83) Benzo(a)anthracene	20.99	228	115044	3.050 ng/ul	97
85) Chrysene	21.04	228	108716	2.928 ng/ul	98
88) Benzo(b)fluoranthene	22.49	252	143310	3.572 ng/ul	99
89) Benzo(k)fluoranthene	22.49	252	144050	3.792 ng/ul	99
91) Benzo(a)pyrene	23.02	252	93420	2.589 ng/ul#	96
92) Indeno(1,2,3-cd)pyrene	25.14	276	60980	1.423 ng/ul	94
94) Benzo(g,h,i)perylene	25.76	276	57064	1.589 ng/ul	94

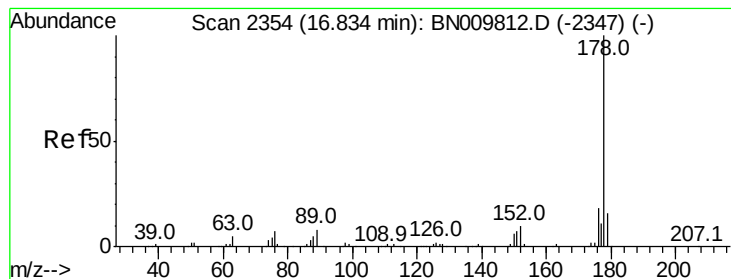
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#70

Phenanthrene

Concen: 4.191 ng/ul

RT: 16.83 min Scan# 2353

Delta R.T. -0.02 min

Lab File: BN009821.D

Acq: 21 Feb 2020 23:18

Instrument :

BNA_N

ClientSampled :

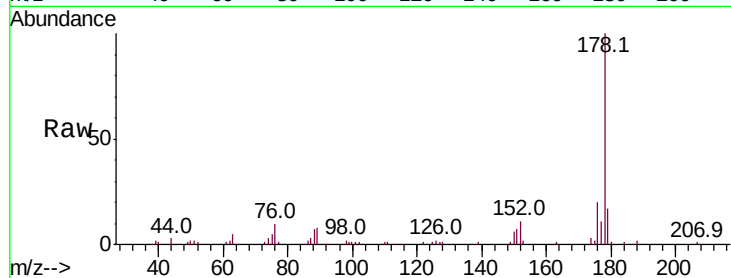
Tot Ion:178 Resp: 141295

Ion Ratio Lower Upper

178 100

179 17.1 12.5 18.7

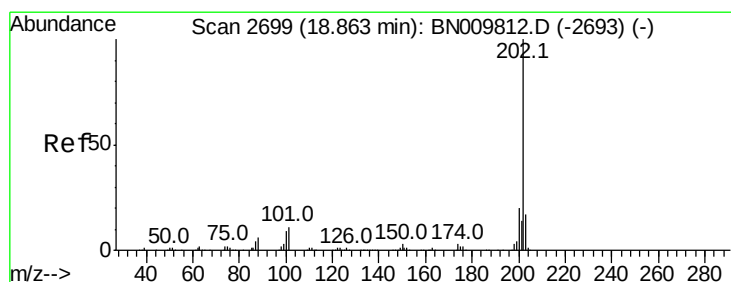
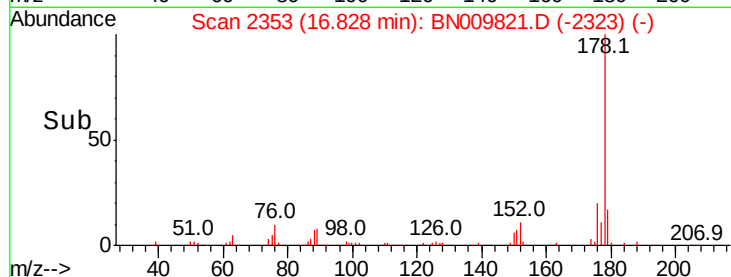
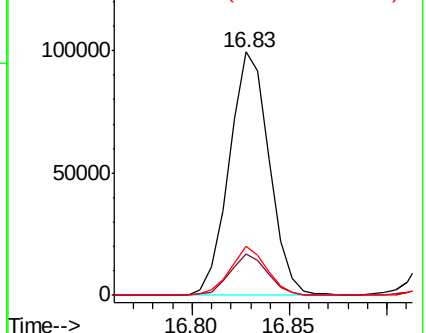
176 20.4 14.6 22.0



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: 5.563 ng/ul

RT: 18.86 min Scan# 2699

Delta R.T. -0.02 min

Lab File: BN009821.D

Acq: 21 Feb 2020 23:18

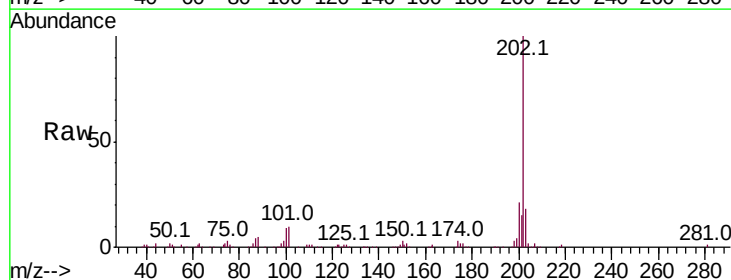
Tgt Ion:202 Resp: 219689

Ion Ratio Lower Upper

202 100

101 10.3 9.4 14.2

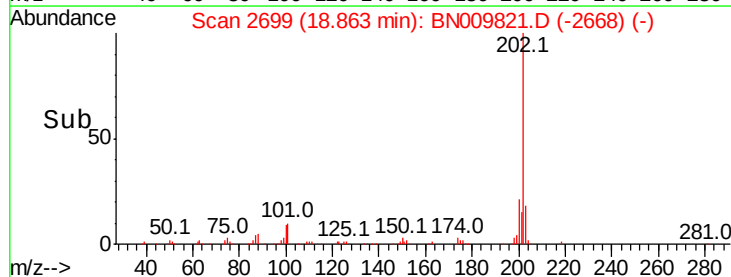
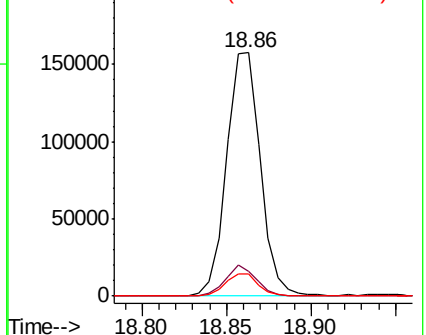
100 8.9 7.2 10.8

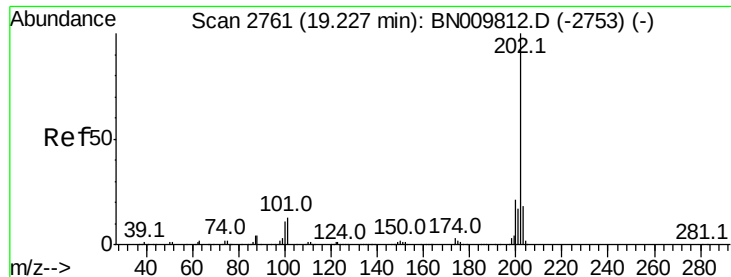


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

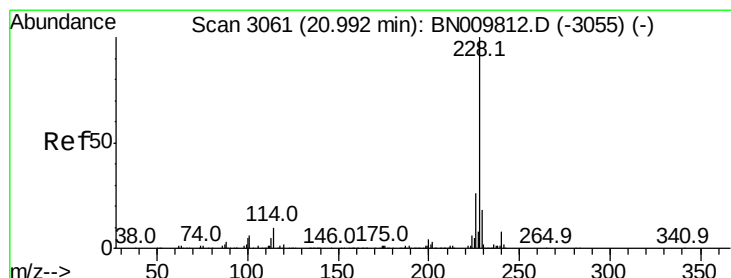
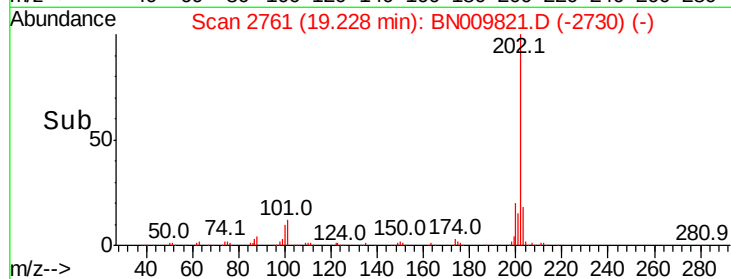
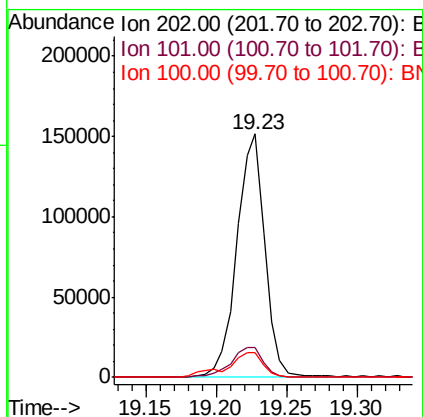
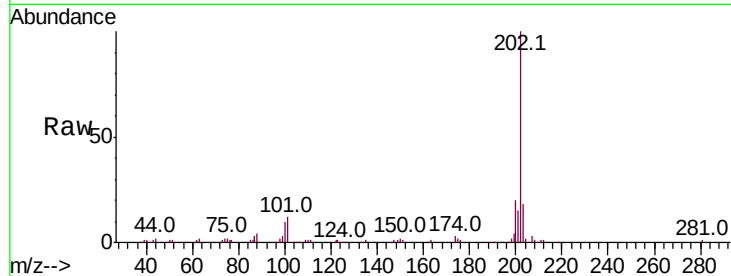




#80
Pvrene
Concen: 5.311 ng/ul
RT: 19.23 min Scan# 2761
Delta R.T. -0.02 min
Lab File: BN009821.D
Acq: 21 Feb 2020 23:18

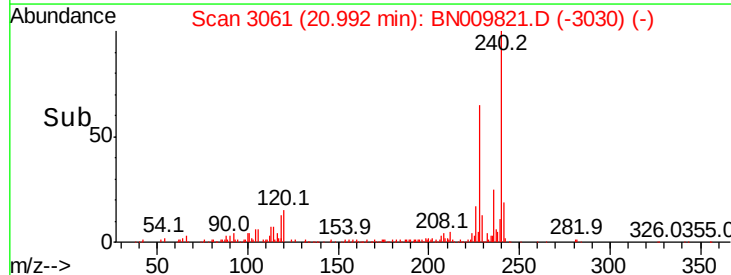
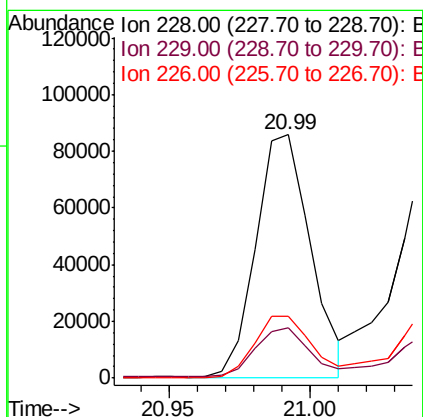
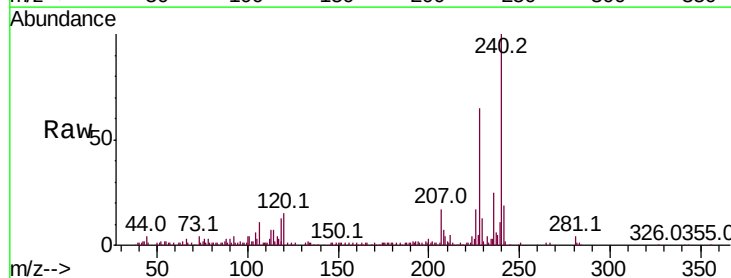
Instrument :
BNA_N
ClientSampleId :

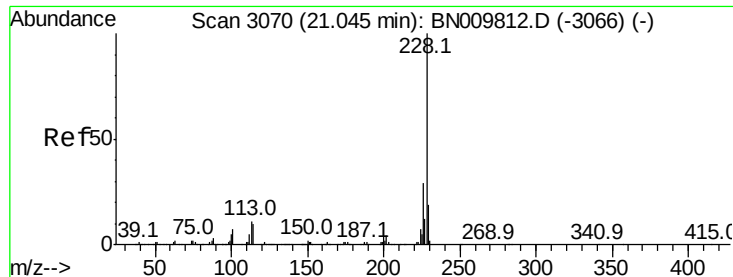
Tot Ion	Ratio	Lower	Upper
202	100		
101	12.3	11.3	16.9
100	10.4	9.0	13.6



#83
Benzo(a)anthracene
Concen: 3.050 ng/ul
RT: 20.99 min Scan# 3061
Delta R.T. -0.02 min
Lab File: BN009821.D
Acq: 21 Feb 2020 23:18

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.7	15.0	22.4
226	25.4	21.4	32.2

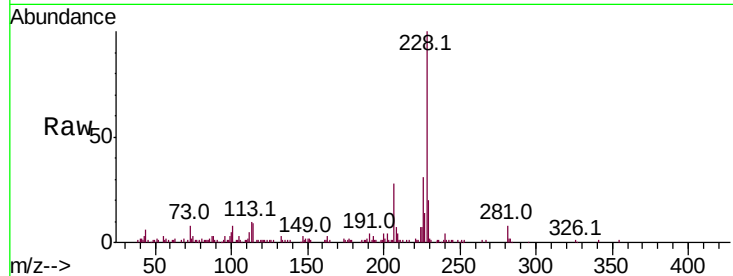




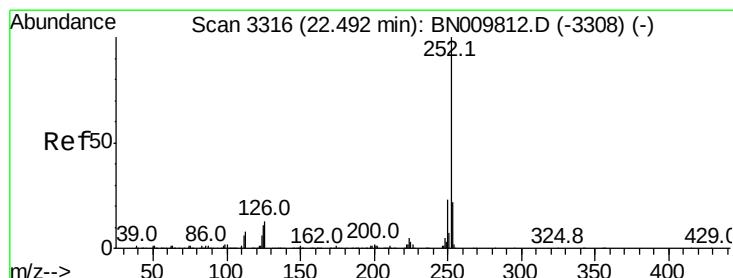
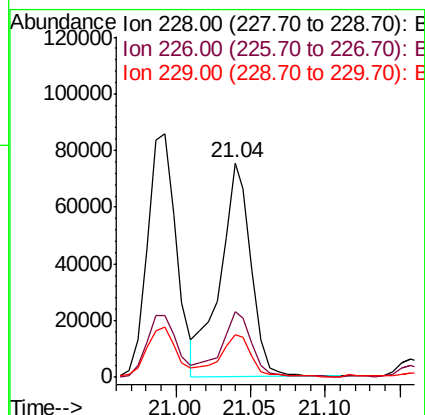
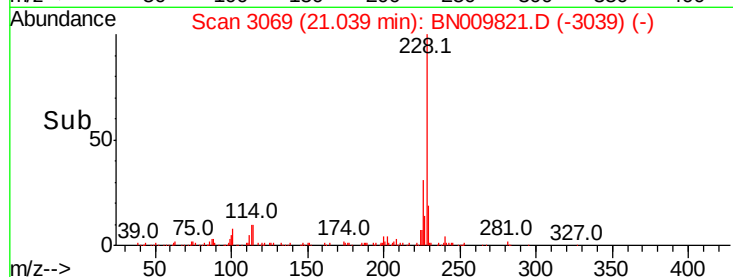
#85
 Chrysene
 Concen: 2.928 ng/ul
 RT: 21.04 min Scan# 3069
 Delta R.T. -0.02 min
 Lab File: BN009821.D
 Acq: 21 Feb 2020 23:18

Instrument :
 BNA_N
 ClientSampled :

Tot Ion:	228	Resp:	108716
Ion	Ratio	Lower	Upper
228	100		
226	30.7	23.4	35.2
229	19.7	15.0	22.4

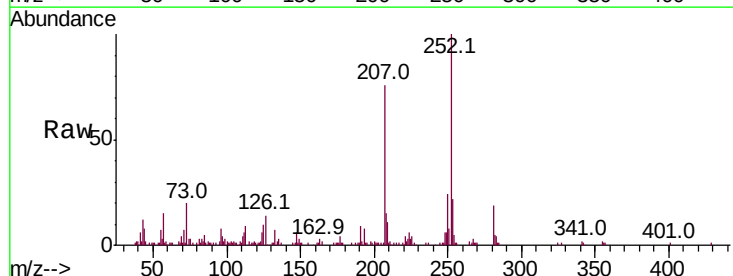


Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E

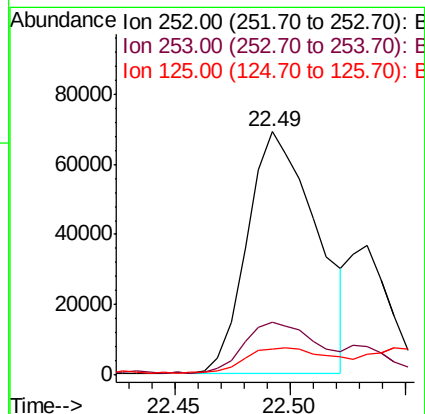
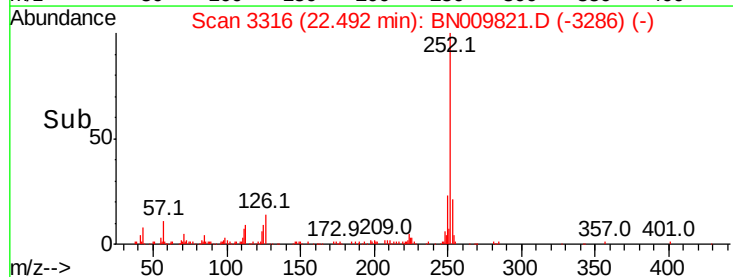


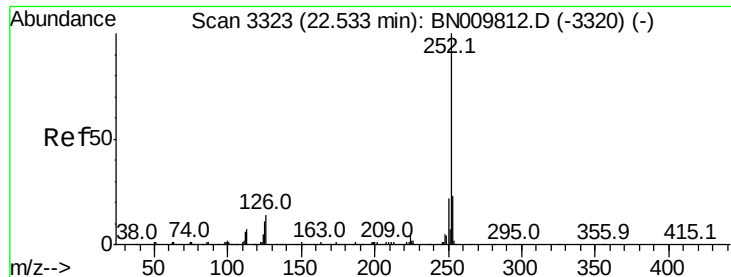
#88
 Benzo(b)fluoranthene
 Concen: 3.572 ng/ul
 RT: 22.49 min Scan# 3316
 Delta R.T. -0.02 min
 Lab File: BN009821.D
 Acq: 21 Feb 2020 23:18

Tgt Ion:	252	Resp:	143310
Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.0	25.4
125	10.5	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: 3.792 ng/ul

RT: 22.49 min Scan# 3316

Delta R.T. -0.06 min

Lab File: BN009821.D

Acq: 21 Feb 2020 23:18

Instrument :

BNA_N

ClientSampled :

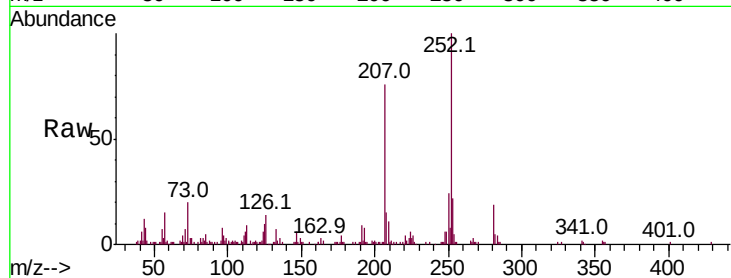
Tot Ion:252 Resp: 144050

Ion Ratio Lower Upper

252 100

253 21.8 18.0 27.0

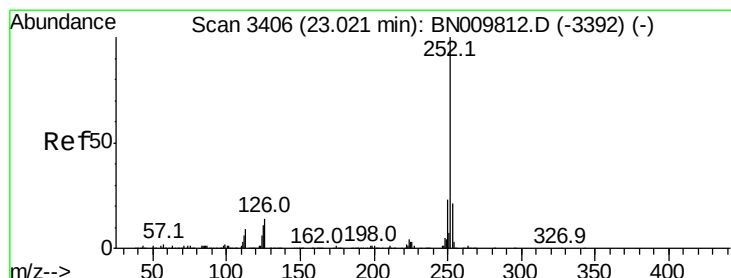
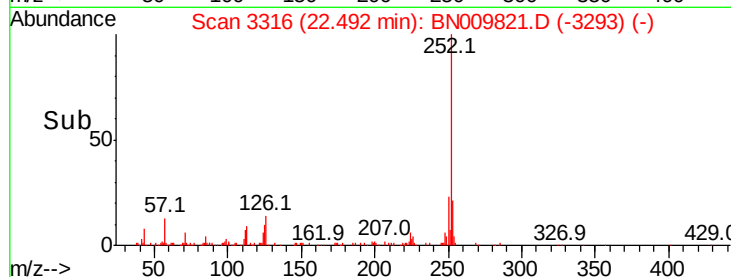
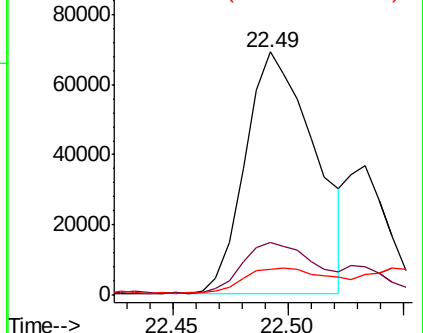
125 10.5 8.2 12.2



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: 2.589 ng/ul

RT: 23.02 min Scan# 3405

Delta R.T. -0.02 min

Lab File: BN009821.D

Acq: 21 Feb 2020 23:18

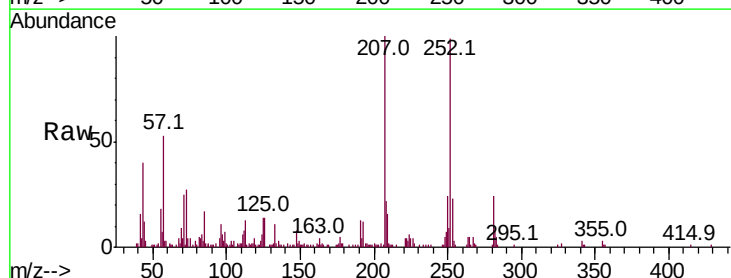
Tgt Ion:252 Resp: 93420

Ion Ratio Lower Upper

252 100

253 23.1 17.4 26.0

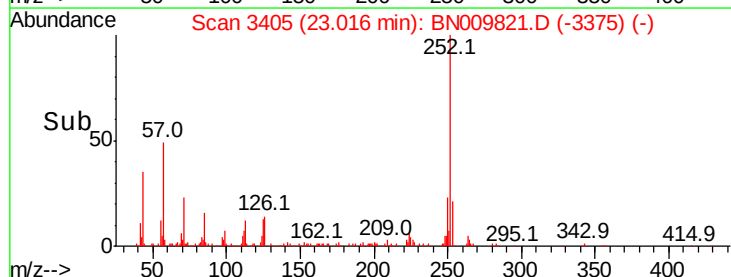
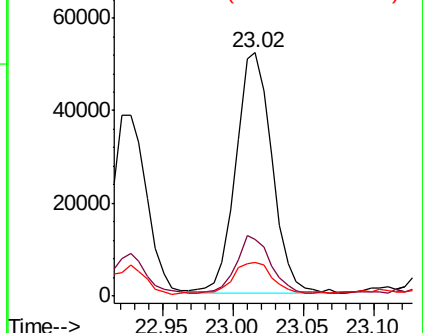
125 14.0 9.0 13.6#

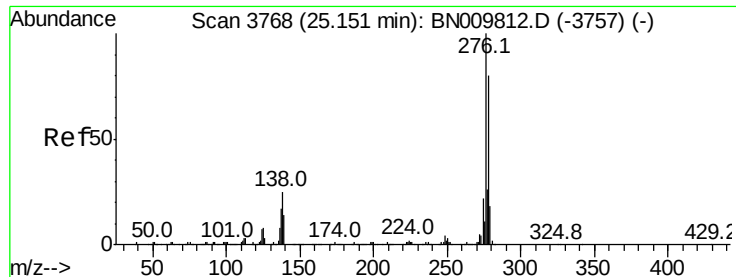


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



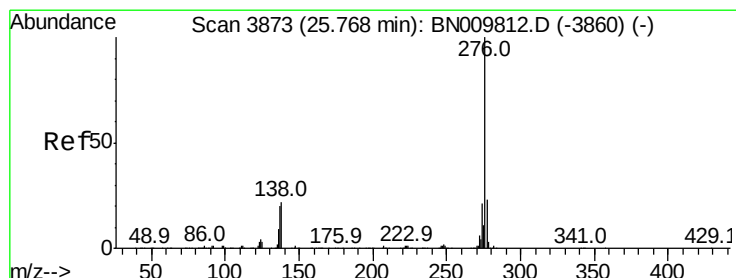
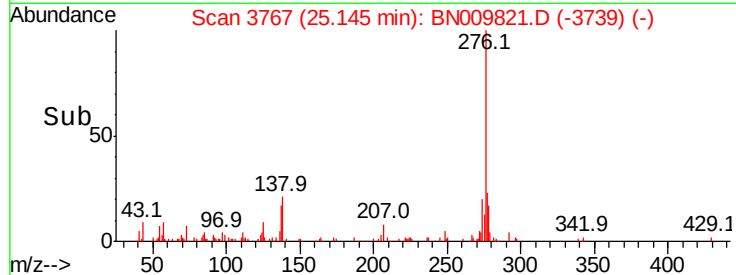
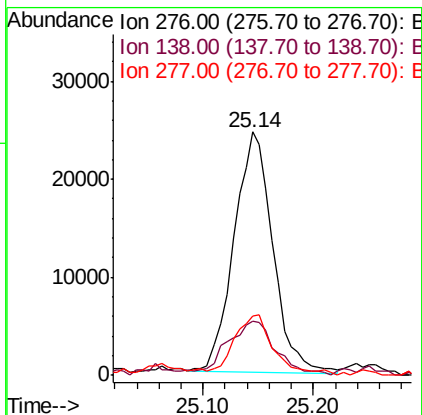
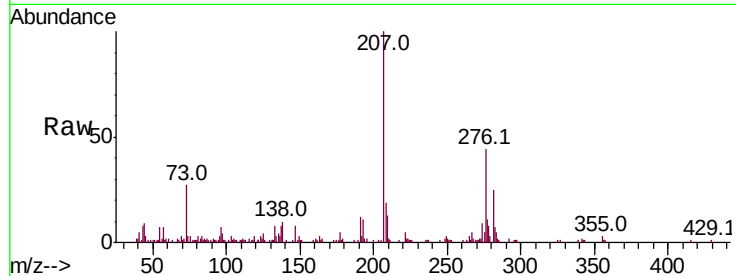


#92

Indeno(1,2,3-cd)pyrene
Concen: 1.423 ng/ul
RT: 25.14 min Scan# 3767
Delta R.T. -0.04 min
Lab File: BN009821.D
Acq: 21 Feb 2020 23:18

Instrument :
BNA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.1	20.9	31.3
277	24.4	18.2	27.4



#94

Benzo(g,h,i)perylene
Concen: 1.589 ng/ul
RT: 25.76 min Scan# 3872
Delta R.T. -0.04 min
Lab File: BN009821.D
Acq: 21 Feb 2020 23:18

Tgt Ion	Ratio	Lower	Upper
276	100		
138	24.3	17.5	26.3
277	25.7	18.1	27.1

