

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN040820\
 Data File : BN010437.D
 Acq On : 08 Apr 2020 19:20
 Operator : CG/JU
 Sample : L2155-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Apr 09 01:59:49 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN040120MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Apr 08 13:35:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	601981	20.00	ng/ul	0.00
18) Naphthalene-d8	10.37	136	2551607	20.00	ng/ul	0.01
36) Acenaphthene-d10	14.24	164	1602110	20.00	ng/ul	0.01
62) Phenanthrene-d10	16.99	188	3558413	20.00	ng/ul	0.01
78) Chrysene-d12	21.19	240	3148620	20.00	ng/ul	0.00
86) Perylene-d12	23.24	264	4246582	20.00	ng/ul	-0.12

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.21	96	53837	4.23	ng/uL	0.00
5) Phenol-d5	6.80	99	1130941	22.52	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	6.96	67	629451	23.93	ng/ul	0.01
9) 2-Chlorophenol-d4	7.15	132	1040885	26.11	ng/ul	0.00
13) 4-Methylphenol-d8	8.32	113	892291	21.03	ng/ul	0.01
19) Nitrobenzene-d5	8.75	128	525575	27.74	ng/ul	0.00
22) 2-Nitrophenol-d4	9.46	143	593207	29.58	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.00	165	1069319	25.71	ng/ul	0.02
29) 4-Chloroaniline-d4	10.50	131	874629	17.79	ng/ul	0.00
44) Dimethylphthalate-d6	13.66	166	3303331	27.33	ng/ul	0.00
47) Acenaphthylene-d8	13.93	160	4085160	28.93	ng/ul	0.00
52) 4-Nitrophenol-d4	14.45	143	369118	16.26	ng/ul	0.01
58) Fluorene-d10	15.24	176	3007424	28.55	ng/ul	0.01
63) 4,6-Dinitro-2-methylphenol	15.36	200	152035	7.46	ng/ul	0.01
71) Anthracene-d10	17.09	188	4692435	28.72	ng/ul	0.01
79) Pyrene-d10	19.39	212	5158634	31.79	ng/ul	0.01
90) Benzo(a)pyrene-d12	23.24	264	4241350	20.08	ng/ul	0.02

Target Compounds

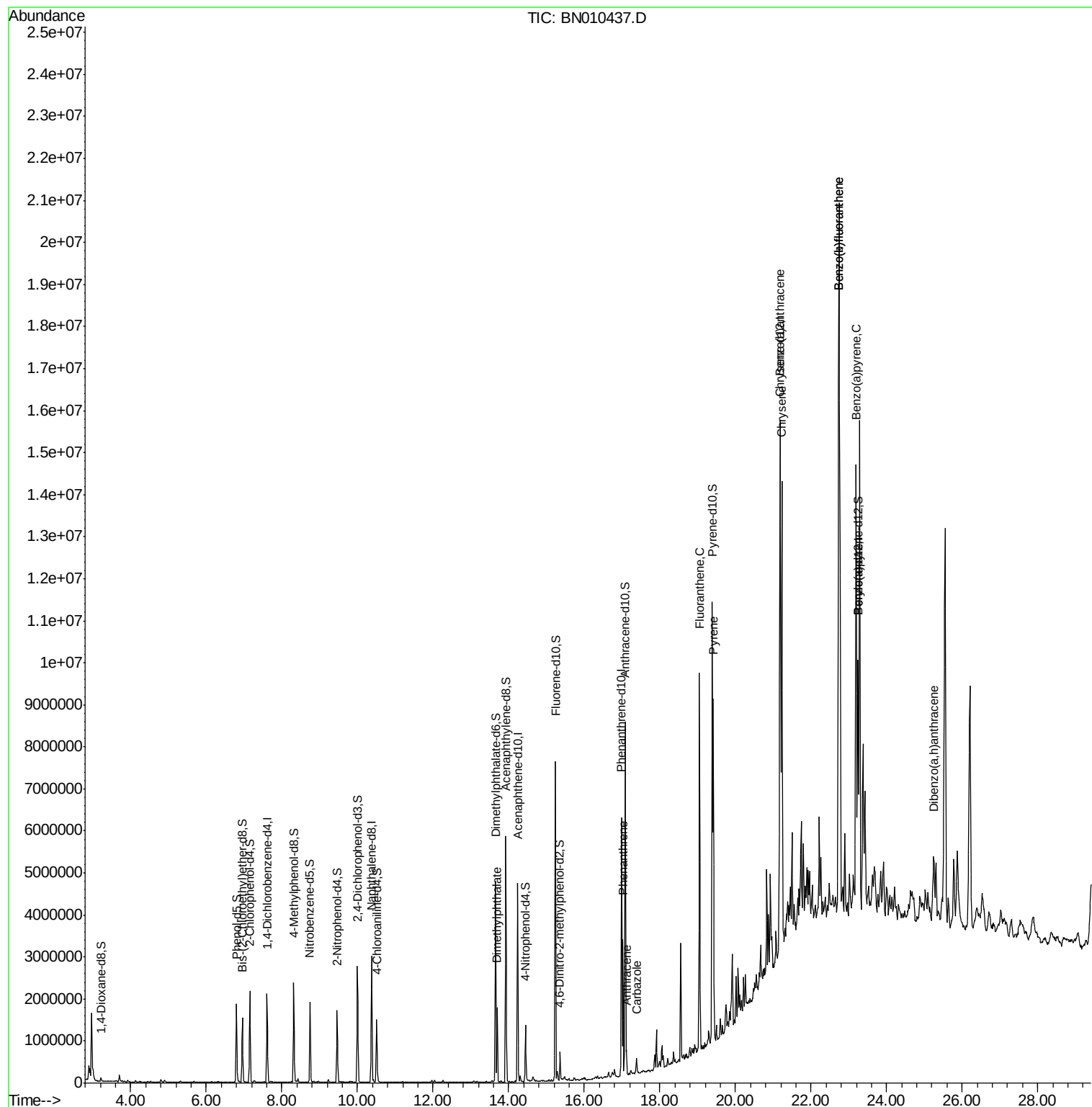
					Ovalue
45) Dimethylphthalate	13.70	163	1139936	9.132	ng/ul 98
70) Phenanthrene	17.03	178	1914555	9.710	ng/ul 98
72) Anthracene	17.12	178	331889	1.683	ng/ul 99
75) Carbazole	17.39	167	231785	1.413	ng/ul 97
77) Fluoranthene	19.05	202	5438441	25.899	ng/ul 99
80) Pyrene	19.42	202	4936760	23.449	ng/ul 98
83) Benzo(a)anthracene	21.17	228	5449832	25.763	ng/ul 99
85) Chrysene	21.23	228	6617431	32.804	ng/ul 98
88) Benzo(b)fluoranthene	22.74	252	14428301	56.107	ng/ul 100
89) Benzo(k)fluoranthene	22.74	252	14428301	57.757	ng/ul 94
91) Benzo(a)pyrene	23.20	252	7661274	31.822	ng/ul 98
93) Dibenzo(a,h)anthracene	25.24	278	1474736	5.747	ng/ul 95

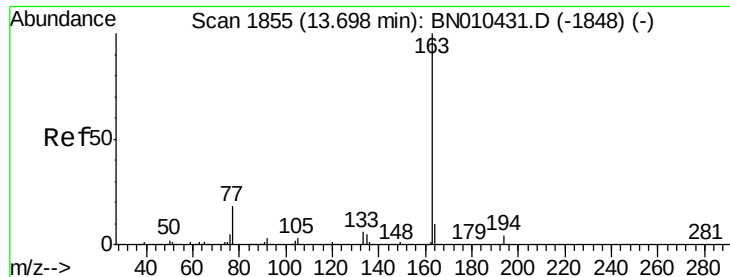
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
QLast Update : Wed Apr 08 13:35:12 2020
Response via : Initial Calibration





#45

Dimethylphthalate

Concen: 9.132 ng/ul

RT: 13.70 min Scan# 1855

Delta R.T. -0.00 min

Lab File: BN010437.D

Acq: 08 Apr 2020 19:20

Instrument :

BNA_N

ClientSampled :

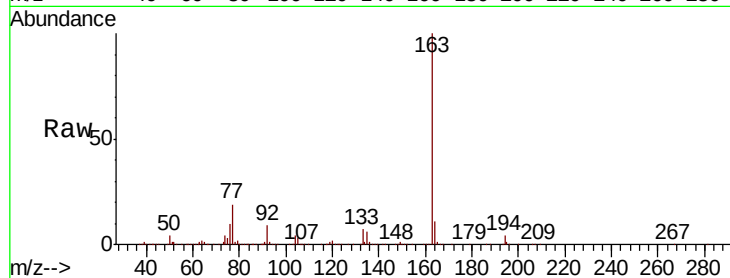
Tot Ion:163 Resp: 1139936

Ion Ratio Lower Upper

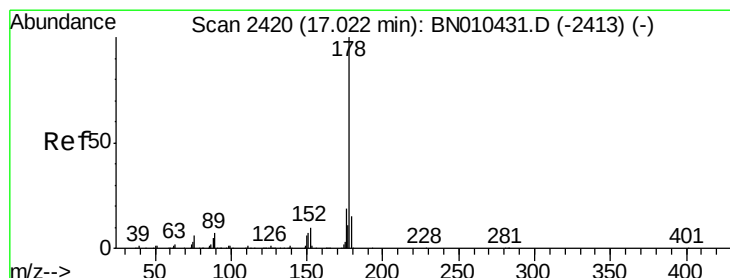
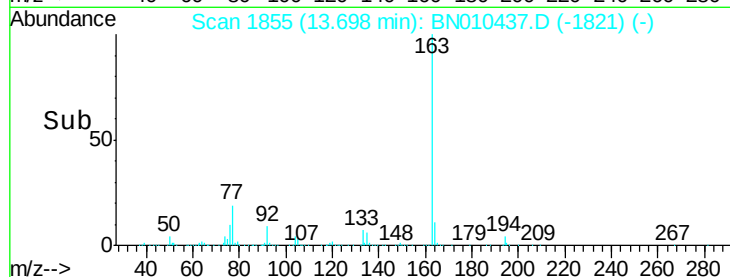
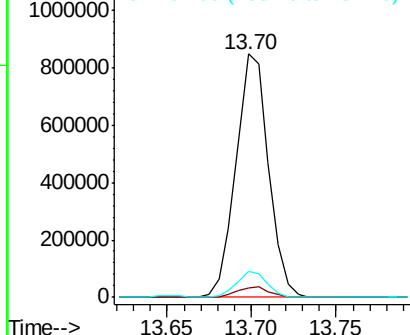
163 100

194 3.9 3.7 5.5

164 10.6 8.0 12.0



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#70

Phenanthrene

Concen: 9.710 ng/ul

RT: 17.03 min Scan# 2421

Delta R.T. 0.01 min

Lab File: BN010437.D

Acq: 08 Apr 2020 19:20

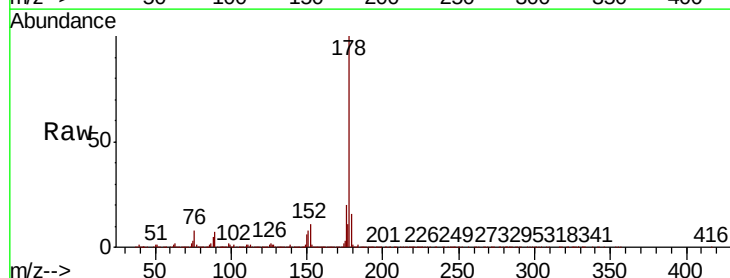
Tgt Ion:178 Resp: 1914555

Ion Ratio Lower Upper

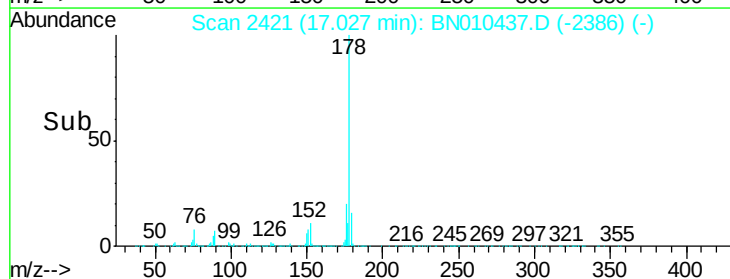
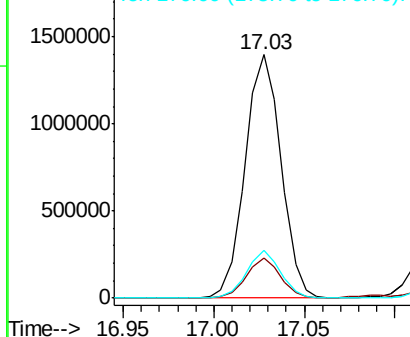
178 100

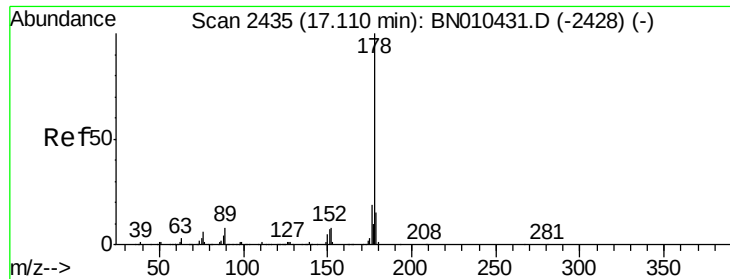
179 16.3 11.9 17.9

176 19.7 15.4 23.2



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





#72

Anthracene

Concen: 1.683 ng/ul

RT: 17.12 min Scan# 2436

Delta R.T. 0.01 min

Lab File: BN010437.D

Acq: 08 Apr 2020 19:20

Instrument :

BNA_N

ClientSampleId :

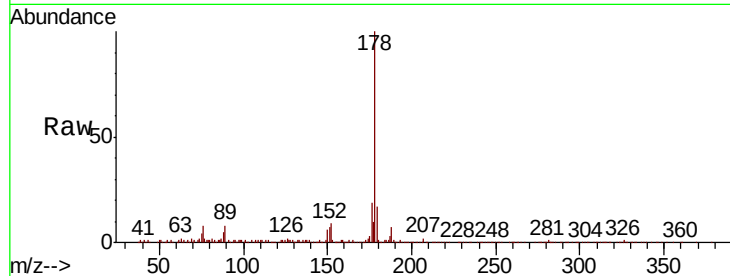
Tot Ion:178 Resp: 331889

Ion Ratio Lower Upper

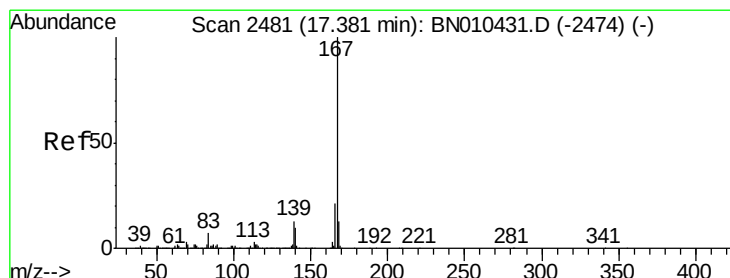
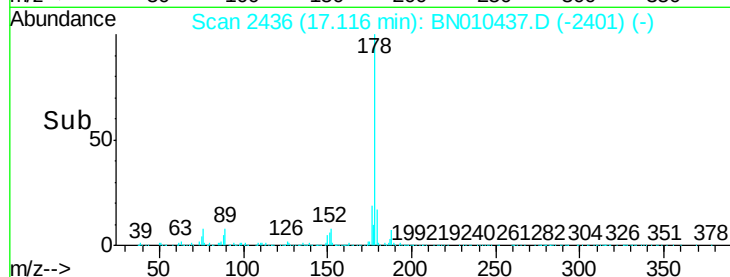
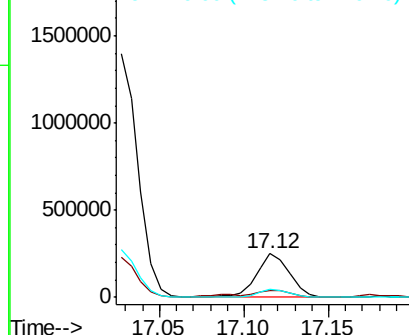
178 100

179 16.8 12.9 19.3

176 18.8 15.2 22.8



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



#75

Carbazole

Concen: 1.413 ng/ul

RT: 17.39 min Scan# 2482

Delta R.T. 0.01 min

Lab File: BN010437.D

Acq: 08 Apr 2020 19:20

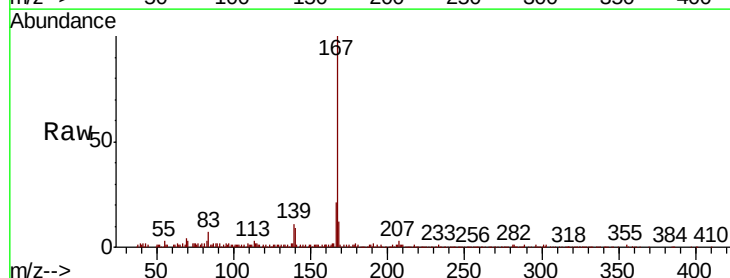
Tgt Ion:167 Resp: 231785

Ion Ratio Lower Upper

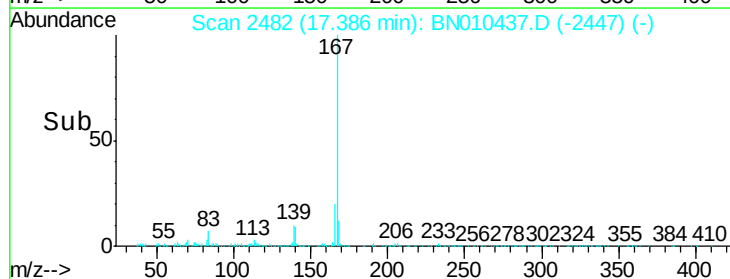
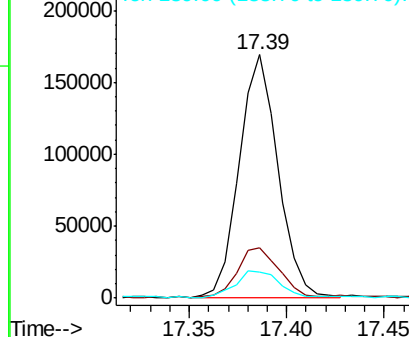
167 100

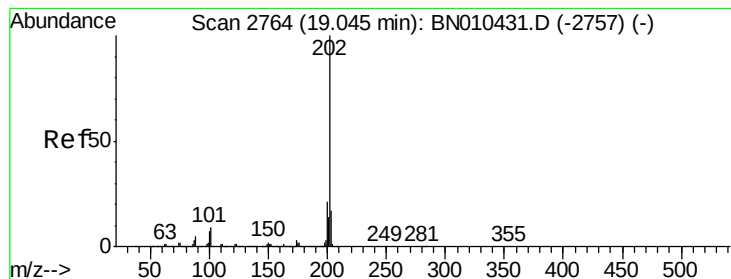
166 20.6 17.3 25.9

139 10.8 10.0 15.0



Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E





#77

Fluoranthene

Concen: 25.899 ng/ul

RT: 19.05 min Scan# 2765

Delta R.T. 0.01 min

Lab File: BN010437.D

Acq: 08 Apr 2020 19:20

Instrument :

BNA_N

ClientSampleId :

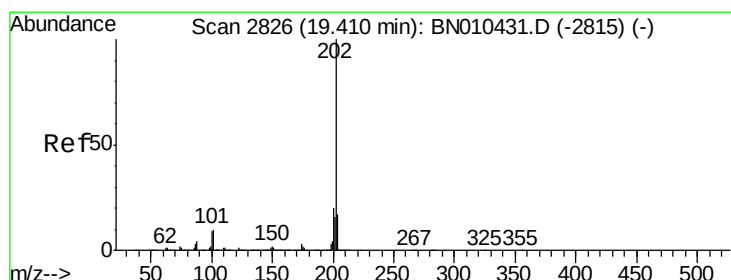
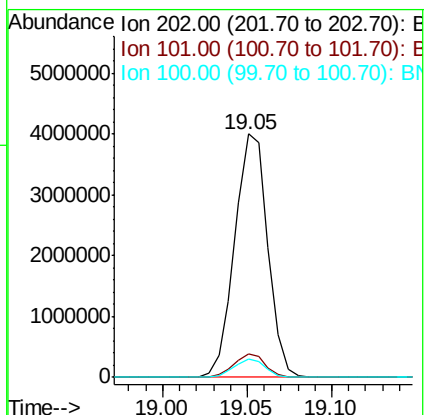
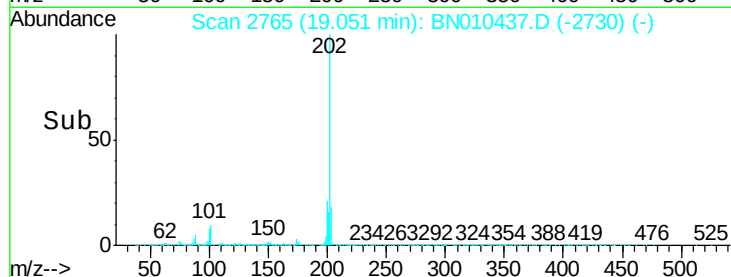
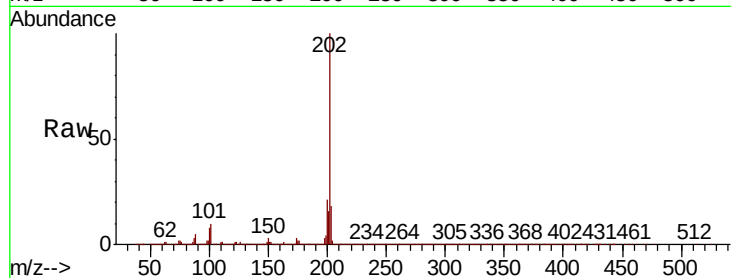
Tot Ion:202 Resp: 5438441

Ion Ratio Lower Upper

202 100

101 9.8 8.1 12.1

100 7.6 6.2 9.4



#80

Pyrene

Concen: 23.449 ng/ul

RT: 19.42 min Scan# 2827

Delta R.T. 0.01 min

Lab File: BN010437.D

Acq: 08 Apr 2020 19:20

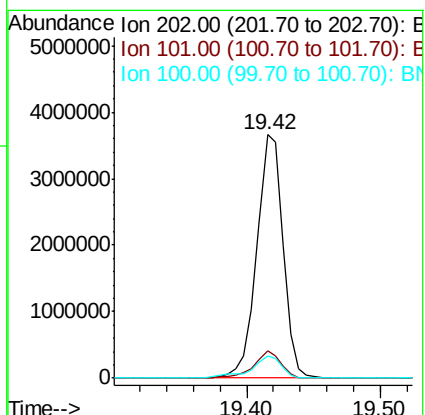
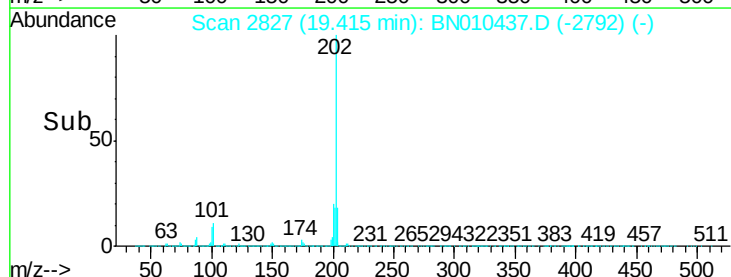
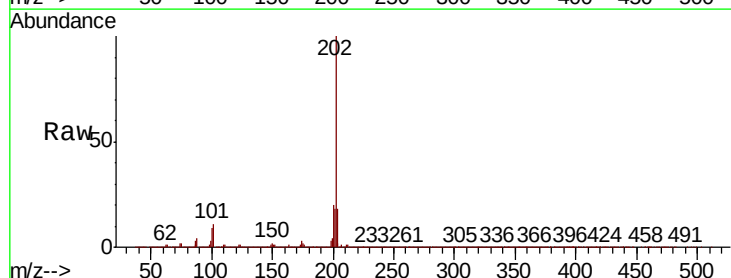
Tgt Ion:202 Resp: 4936760

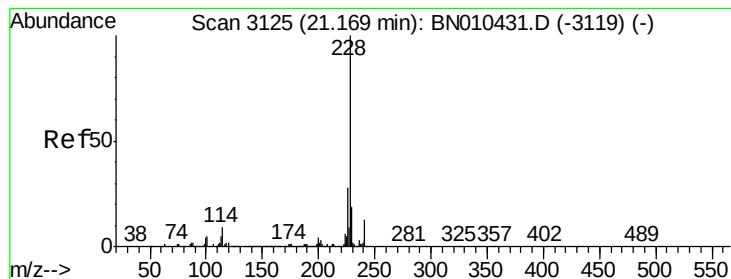
Ion Ratio Lower Upper

202 100

101 11.1 9.6 14.4

100 9.2 8.1 12.1





#83

Benzo(a)anthracene

Concen: 25.763 ng/ul

RT: 21.17 min Scan# 3126

Delta R.T. 0.01 min

Lab File: BN010437.D

Acq: 08 Apr 2020 19:20

Instrument :

BNA_N

ClientSampled :

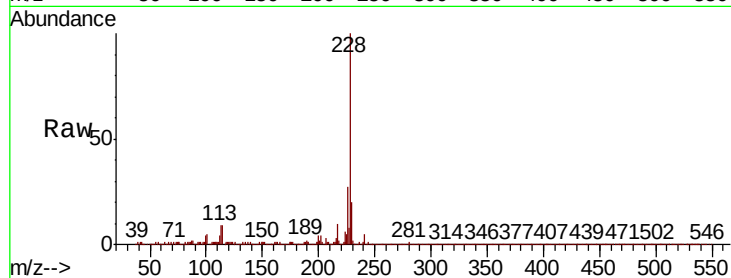
Tot Ion:228 Resp: 5449832

Ion Ratio Lower Upper

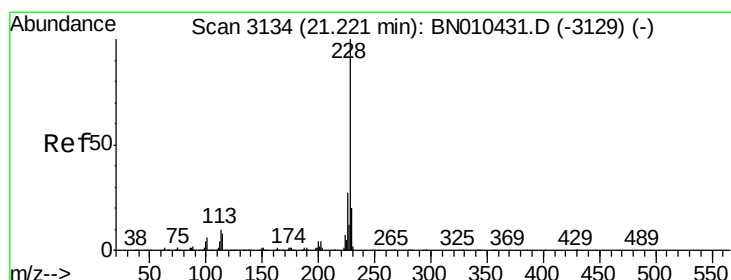
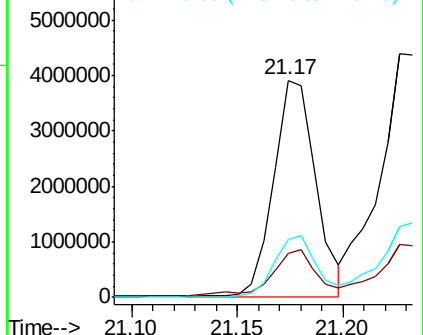
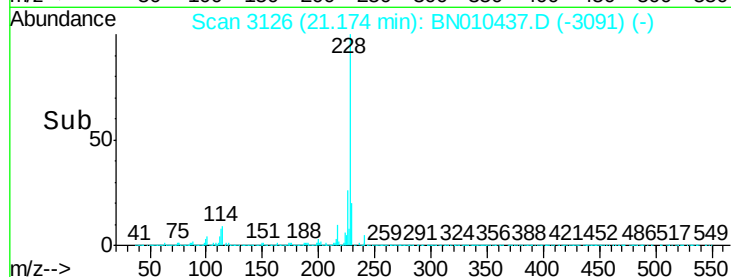
228 100

229 20.3 15.7 23.5

226 26.5 21.0 31.6



Abundance Ion 228.00 (227.70 to 228.70): E
6000000
Ion 229.00 (228.70 to 229.70): E
5000000
Ion 226.00 (225.70 to 226.70): E



#85

Chrysene

Concen: 32.804 ng/ul

RT: 21.23 min Scan# 3135

Delta R.T. 0.01 min

Lab File: BN010437.D

Acq: 08 Apr 2020 19:20

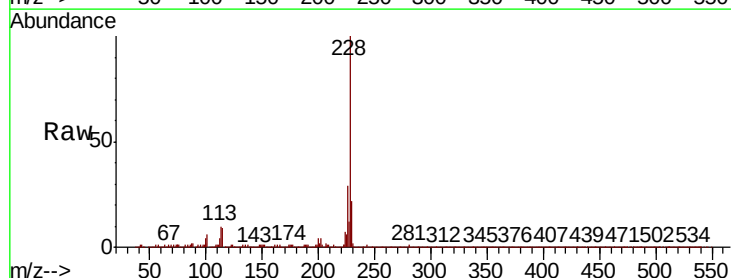
Tgt Ion:228 Resp: 6617431

Ion Ratio Lower Upper

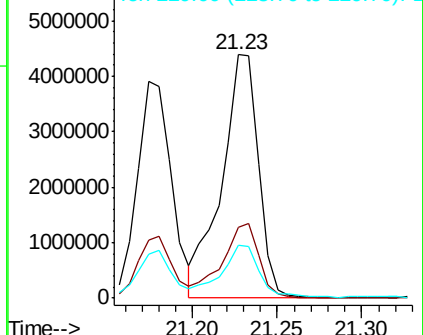
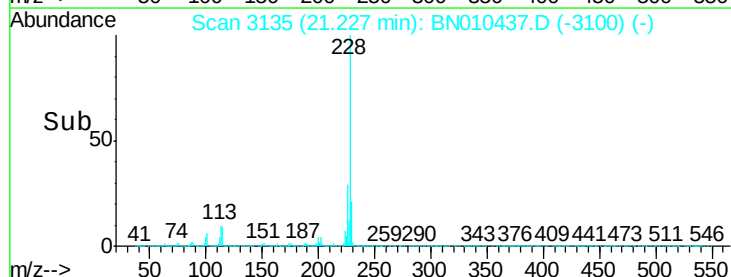
228 100

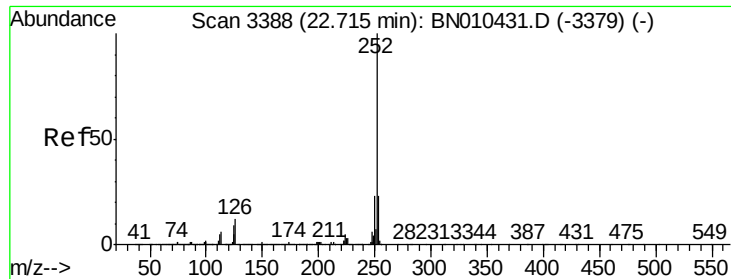
226 29.2 23.0 34.6

229 21.6 15.7 23.5



Abundance Ion 228.00 (227.70 to 228.70): E
6000000
Ion 226.00 (225.70 to 226.70): E
5000000
Ion 229.00 (228.70 to 229.70): E





#88

Benzo(b)fluoranthene

Concen: 56.107 ng/ul

RT: 22.74 min Scan# 3392

Delta R.T. 0.02 min

Lab File: BN010437.D

Acq: 08 Apr 2020 19:20

Instrument :

BNA_N

ClientSampleId :

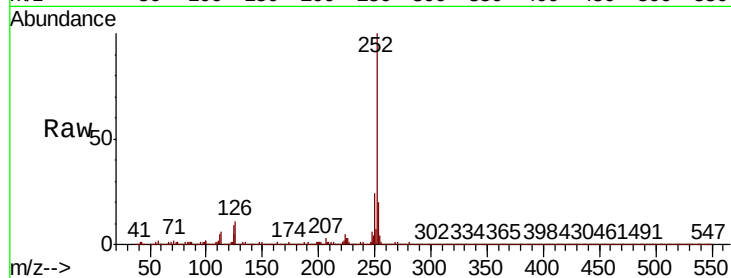
Tot Ion:252 Resp:14428301

Ion Ratio Lower Upper

252 100

253 19.9 16.0 24.0

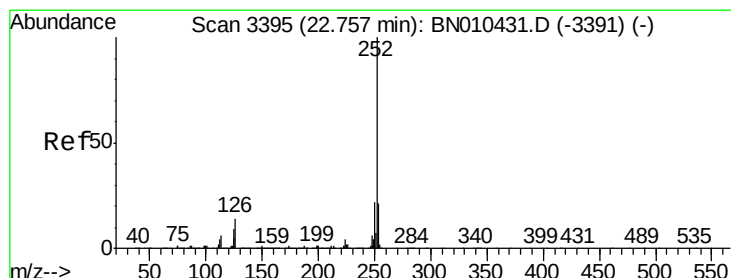
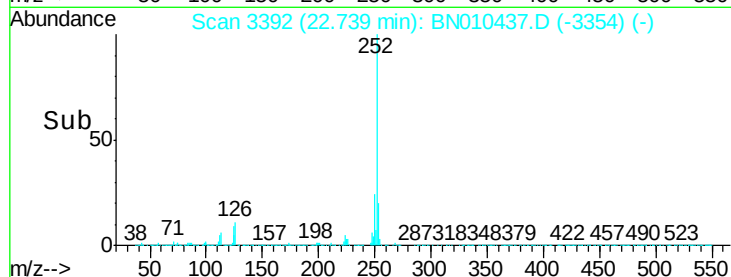
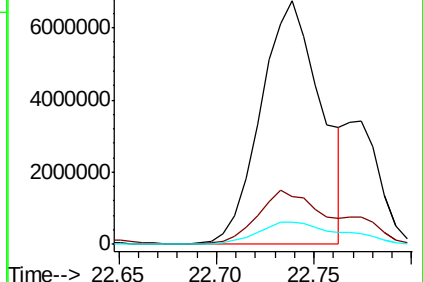
125 9.2 7.4 11.0



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: 57.757 ng/ul

RT: 22.74 min Scan# 3392

Delta R.T. -0.02 min

Lab File: BN010437.D

Acq: 08 Apr 2020 19:20

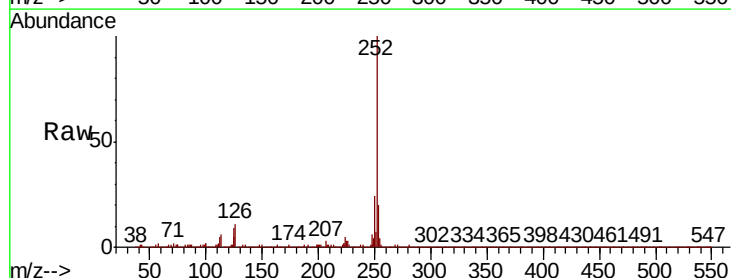
Tgt Ion:252 Resp:14428301

Ion Ratio Lower Upper

252 100

253 19.9 18.6 27.8

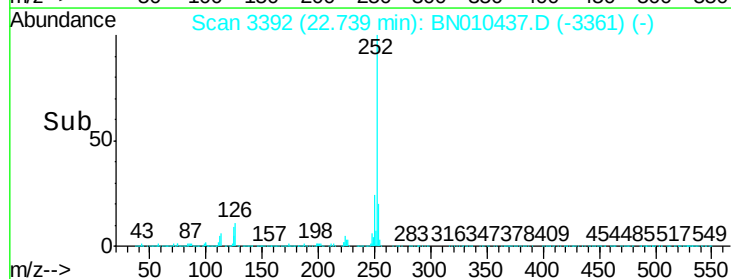
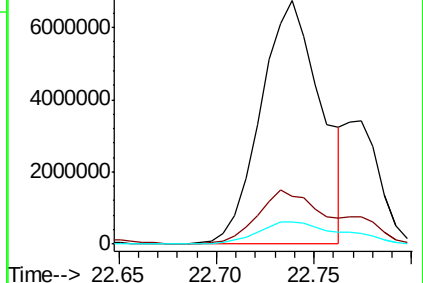
125 9.2 8.1 12.1

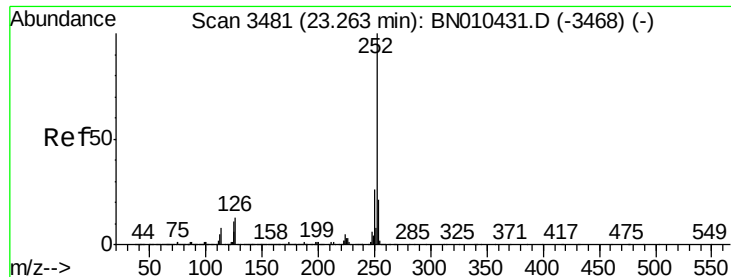


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a)pyrene

Concen: 31.822 ng/ul

RT: 23.20 min Scan# 3470

Delta R.T. -0.06 min

Lab File: BN010437.D

Acq: 08 Apr 2020 19:20

Instrument :

BNA_N

ClientSampleId :

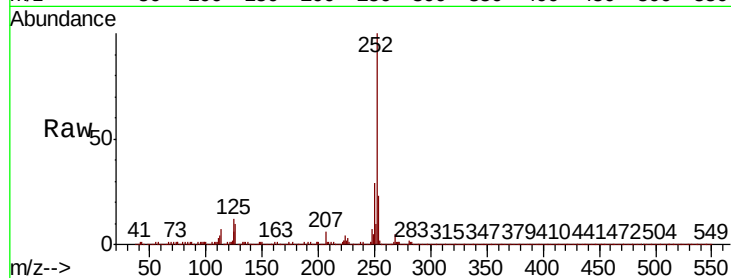
Tot Ion:252 Resp: 7661274

Ion Ratio Lower Upper

252 100

253 22.9 18.6 27.8

125 12.5 8.9 13.3

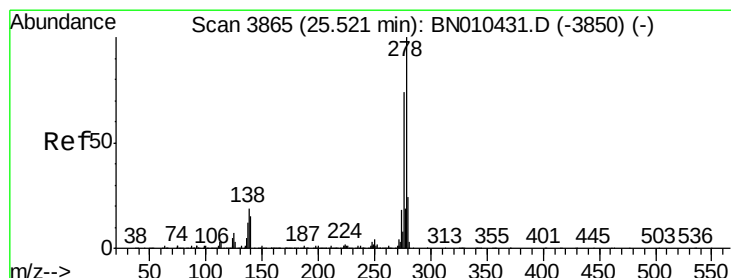
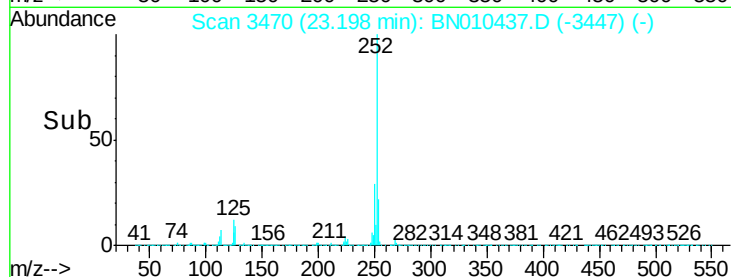
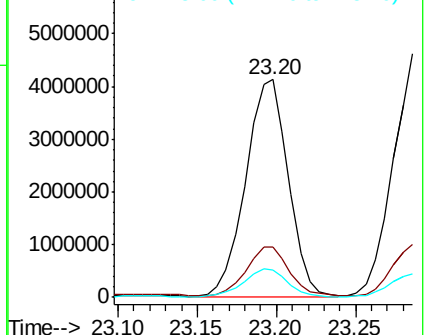


Abundance

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



#93

Dibenzo(a,h)anthracene

Concen: 5.747 ng/ul

RT: 25.24 min Scan# 3818

Delta R.T. -0.28 min

Lab File: BN010437.D

Acq: 08 Apr 2020 19:20

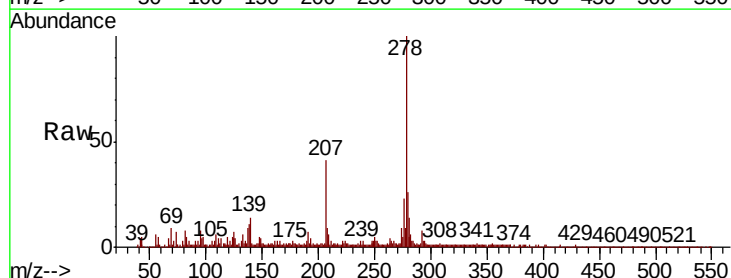
Tgt Ion:278 Resp: 1474736

Ion Ratio Lower Upper

278 100

139 13.8 12.0 18.0

279 25.9 18.2 27.2



Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

