

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN040820\
 Data File : BN010438.D
 Acq On : 08 Apr 2020 19:56
 Operator : CG/JU
 Sample : L2155-12
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Apr 09 02:00:17 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	630597	20.00	ng/ul	0.00
18) Naphthalene-d8	10.37	136	2636351	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.24	164	1685646	20.00	ng/ul	0.01
62) Phenanthrene-d10	16.99	188	3692962	20.00	ng/ul	0.01
78) Chrysene-d12	21.20	240	2909586	20.00	ng/ul	0.01
86) Perylene-d12	23.40	264	2726897	20.00	ng/ul	0.04

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.21	96	57627	4.32	ng/uL	0.00
5) Phenol-d5	6.80	99	1385458	26.34	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	6.96	67	783898	28.44	ng/ul	0.01
9) 2-Chlorophenol-d4	7.15	132	1296987	31.06	ng/ul	0.00
13) 4-Methylphenol-d8	8.32	113	1078281	24.26	ng/ul	0.01
19) Nitrobenzene-d5	8.75	128	681157	34.80	ng/ul	0.00
22) 2-Nitrophenol-d4	9.46	143	749120	36.15	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.00	165	1404252	32.68	ng/ul	0.01
29) 4-Chloroaniline-d4	10.50	131	843464	16.60	ng/ul	0.00
44) Dimethylphthalate-d6	13.66	166	4468122	35.13	ng/ul	0.00
47) Acenaphthylene-d8	13.93	160	5585815	37.59	ng/ul	0.00
52) 4-Nitrophenol-d4	14.45	143	430494	18.02	ng/ul	0.01
58) Fluorene-d10	15.24	176	4119036	37.16	ng/ul	0.01
63) 4,6-Dinitro-2-methylphenol	15.36	200	218728	10.34	ng/ul	0.01
71) Anthracene-d10	17.09	188	6126104	36.13	ng/ul	0.01
79) Pyrene-d10	19.39	212	6374005	42.51	ng/ul	0.02
90) Benzo(a)pyrene-d12	23.26	264	5150087	37.96	ng/ul	0.04

Target Compounds

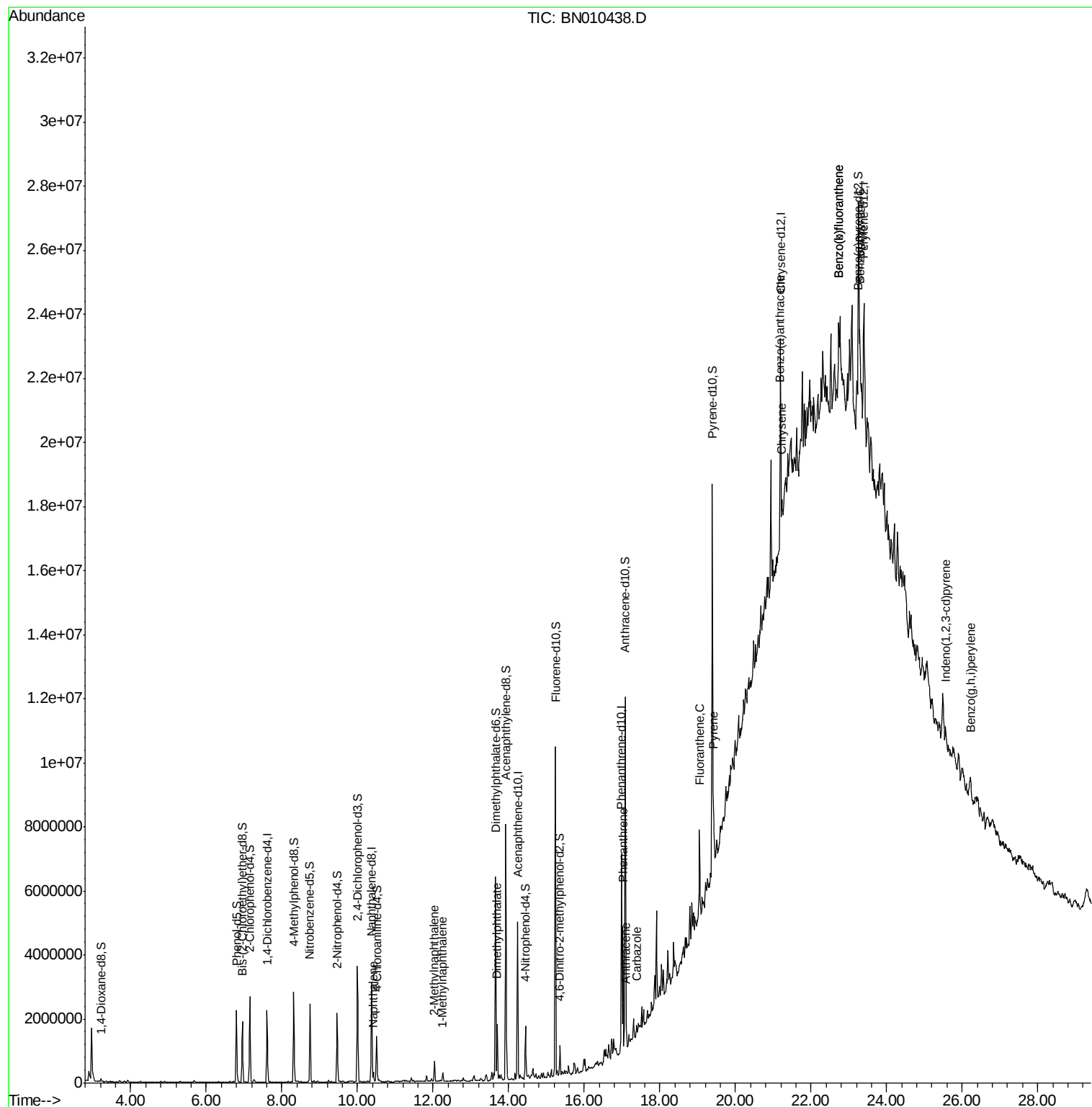
					Ovalue	
28) Naphthalene	10.42	128	227019	1.601	ng/ul	98
34) 2-Methylnaphthalene	12.04	142	302685	2.938	ng/ul	97
35) 1-Methylnaphthalene	12.26	142	125255	1.225	ng/uL#	100
45) Dimethylphthalate	13.70	163	1097178	8.354	ng/ul	99
70) Phenanthrene	17.03	178	2277682	11.131	ng/ul	100
72) Anthracene	17.12	178	331092	1.618	ng/ul	98
75) Carbazole	17.39	167	177980	1.046	ng/ul	96
77) Fluoranthene	19.05	202	1537920	7.057	ng/ul	99
80) Pvrene	19.42	202	1449695	7.451	ng/ul	96
83) Benzo(a)anthracene	21.18	228	590467	3.021	ng/ul#	84
85) Chrysene	21.23	228	804860	4.318	ng/ul#	88
88) Benzo(b)fluoranthene	22.74	252	828106	5.015	ng/ul#	57
89) Benzo(k)fluoranthene	22.74	252	828106	5.162	ng/ul#	65
91) Benzo(a)pyrene	23.30	252	519328	3.359	ng/ul#	64
92) Indeno(1,2,3-cd)pyrene	25.57	276	422300	2.117	ng/ul#	89
94) Benzo(g,h,i)perylene	26.22	276	228610	1.360	ng/ul#	84

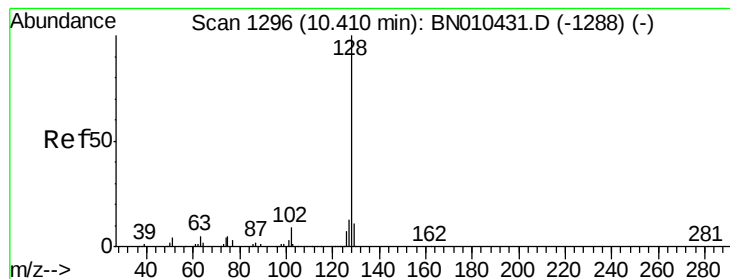
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN040820\
Data File : BN010438.D
Acq On : 08 Apr 2020 19:56
Operator : CG/JU
Sample : L2155-12
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :

Quant Time: Apr 09 02:00:17 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





#28

Naphthalene

Concen: 1.601 ng/ul

RT: 10.42 min Scan# 1298

Delta R.T. 0.01 min

Lab File: BN010438.D

Acq: 08 Apr 2020 19:56

Instrument :

BNA_N

ClientSampleId :

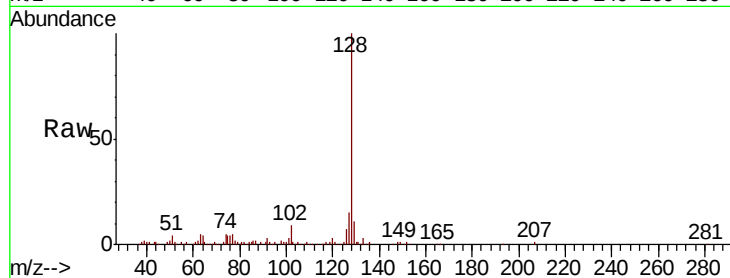
Tot Ion:128 Resp: 227019

Ion Ratio Lower Upper

128 100

129 11.2 8.6 13.0

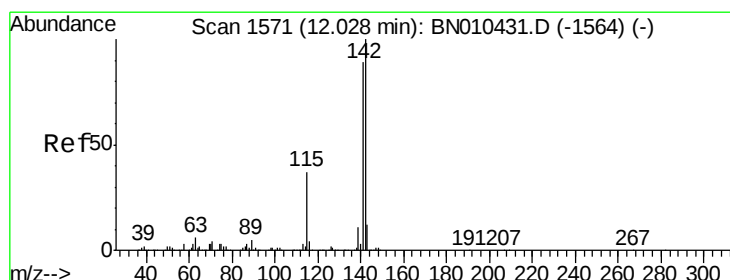
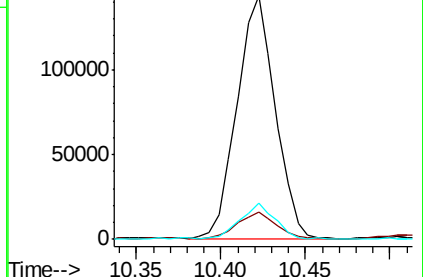
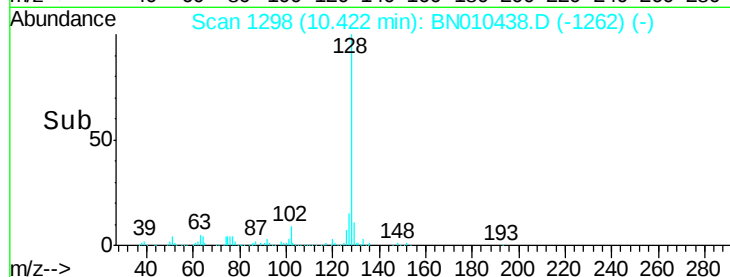
127 14.7 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#34

2-Methylnaphthalene

Concen: 2.938 ng/ul

RT: 12.04 min Scan# 1573

Delta R.T. 0.01 min

Lab File: BN010438.D

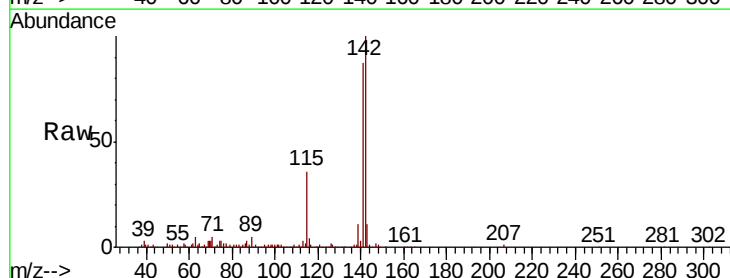
Acq: 08 Apr 2020 19:56

Tgt Ion:142 Resp: 302685

Ion Ratio Lower Upper

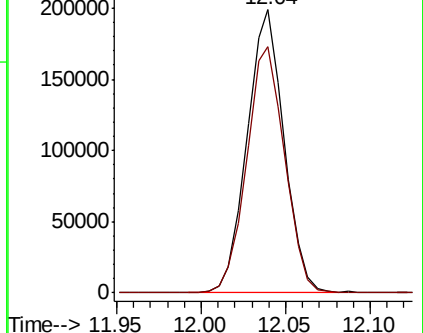
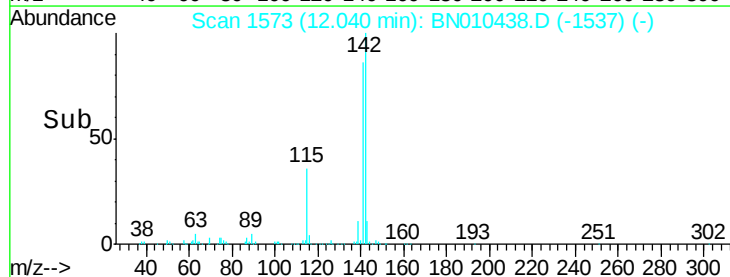
142 100

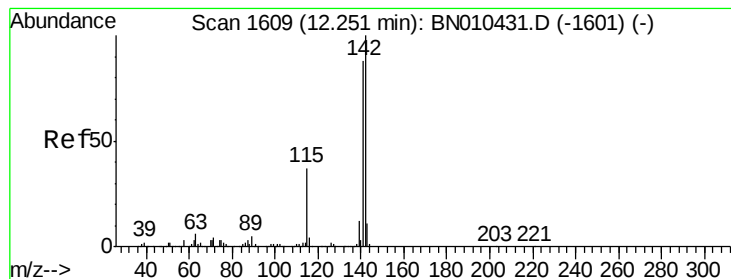
141 86.8 72.1 108.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#35

1-Methyl-naphthalene

Concen: 1.225 ng/uL

RT: 12.26 min Scan# 1611

Delta R.T. 0.01 min

Lab File: BN010438.D

Acq: 08 Apr 2020 19:56

Instrument :

BNA_N

ClientSampleId :

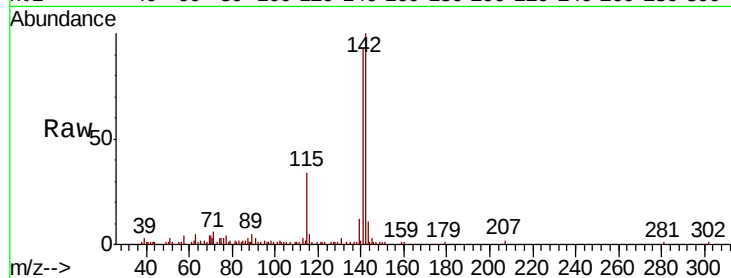
Tot Ion:142 Resp: 125255

Ion Ratio Lower Upper

142 100

141 93.0 74.5 111.7

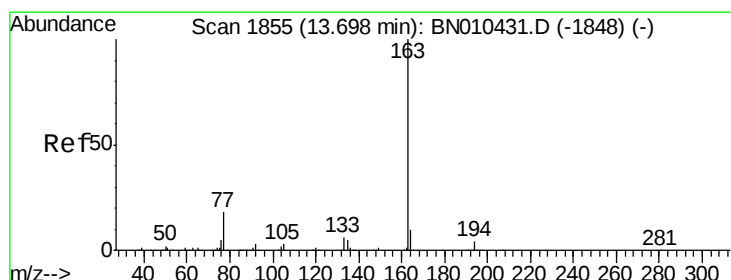
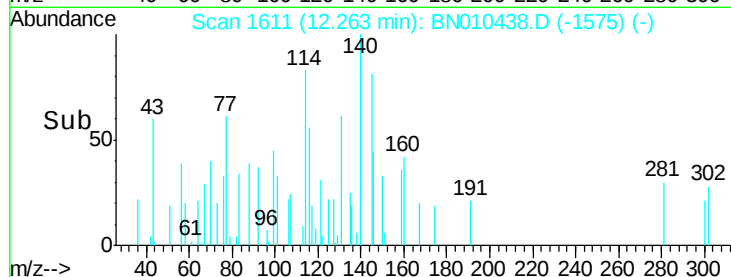
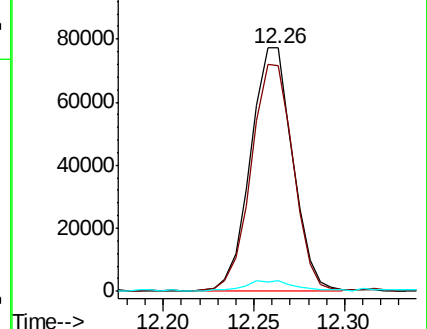
116 5.2 3.1 4.7#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E



#45

Dimethylphthalate

Concen: 8.354 ng/uL

RT: 13.70 min Scan# 1855

Delta R.T. 0.00 min

Lab File: BN010438.D

Acq: 08 Apr 2020 19:56

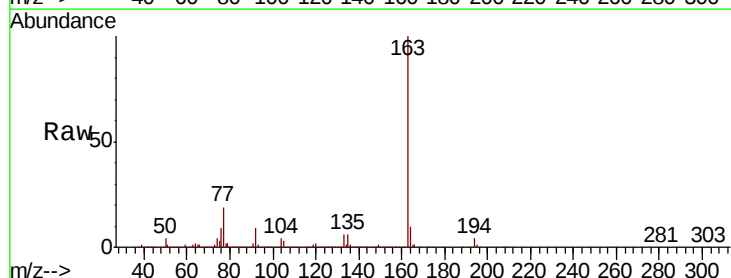
Tgt Ion:163 Resp: 1097178

Ion Ratio Lower Upper

163 100

194 3.9 3.7 5.5

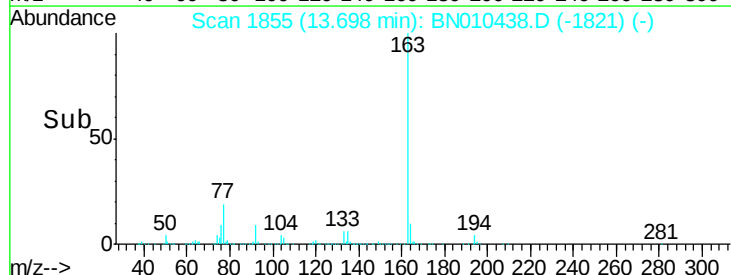
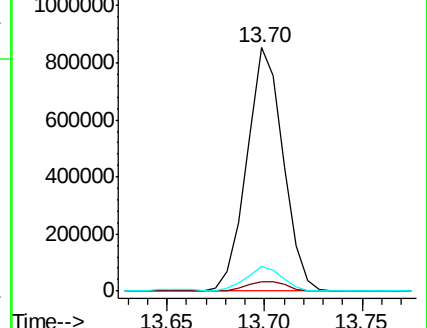
164 10.3 8.0 12.0

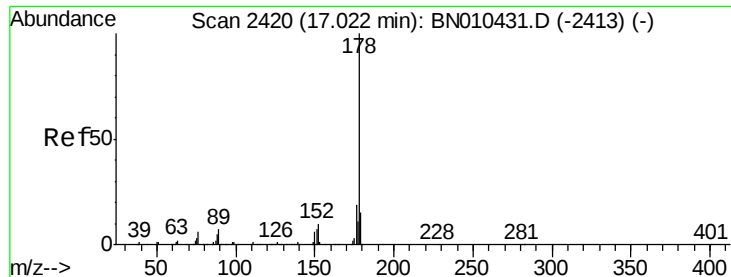


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

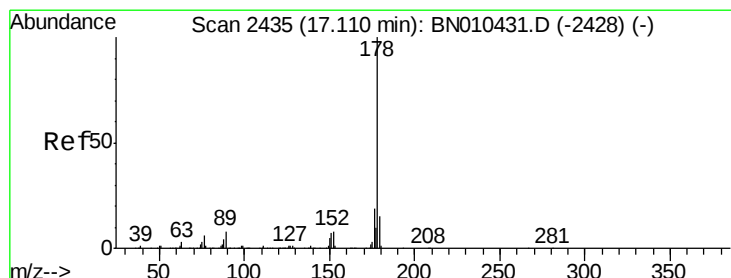
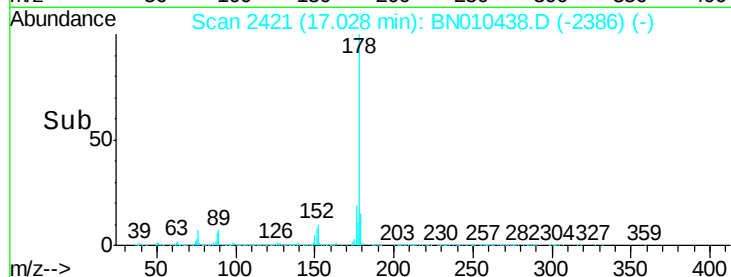
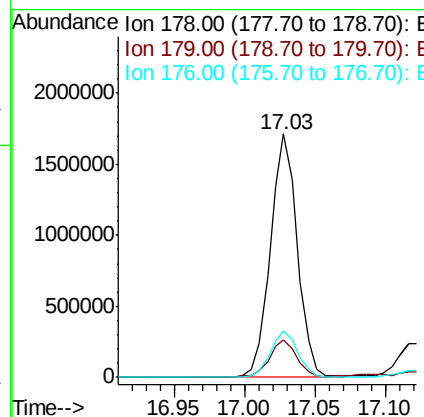
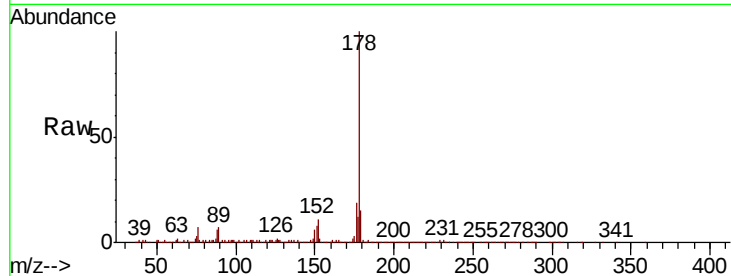




#70
Phenanthrene
Concen: 11.131 ng/ul
RT: 17.03 min Scan# 2421
Delta R.T. 0.01 min
Lab File: BN010438.D
Acq: 08 Apr 2020 19:56

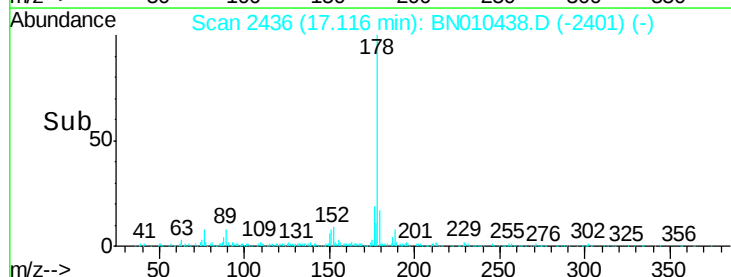
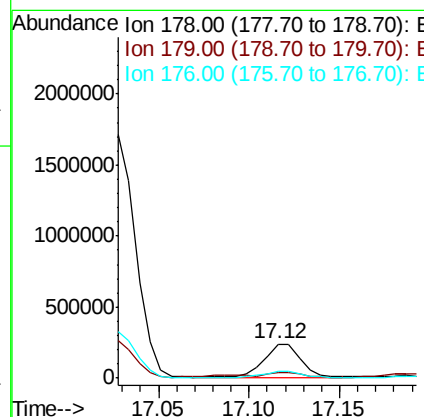
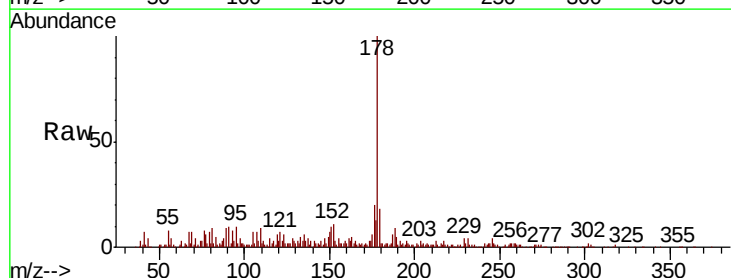
Instrument :
BNA_N
ClientSampleId :

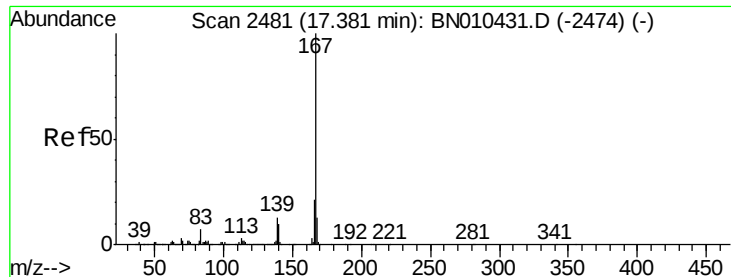
Tot Ion:178 Resp: 2277682
Ion Ratio Lower Upper
178 100
179 15.2 11.9 17.9
176 19.3 15.4 23.2



#72
Anthracene
Concen: 1.618 ng/ul
RT: 17.12 min Scan# 2436
Delta R.T. 0.01 min
Lab File: BN010438.D
Acq: 08 Apr 2020 19:56

Tgt Ion:178 Resp: 331092
Ion Ratio Lower Upper
178 100
179 17.6 12.9 19.3
176 19.7 15.2 22.8





#75

Carbazole

Concen: 1.046 ng/ul

RT: 17.39 min Scan# 2482

Delta R.T. 0.01 min

Lab File: BN010438.D

Acq: 08 Apr 2020 19:56

Instrument :

BNA_N

ClientSampleId :

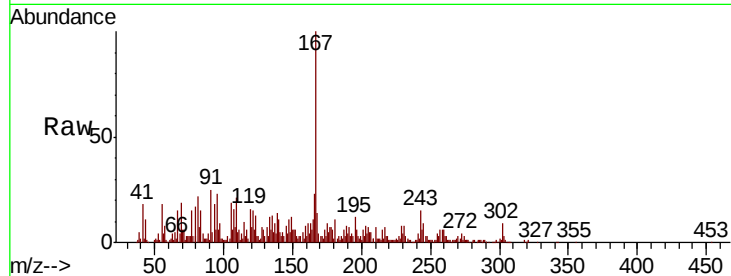
Tot Ion:167 Resp: 177980

Ion Ratio Lower Upper

167 100

166 23.5 17.3 25.9

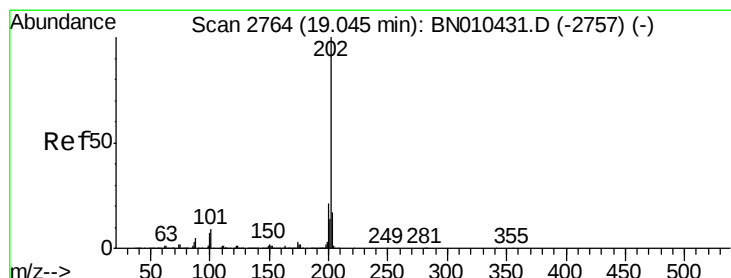
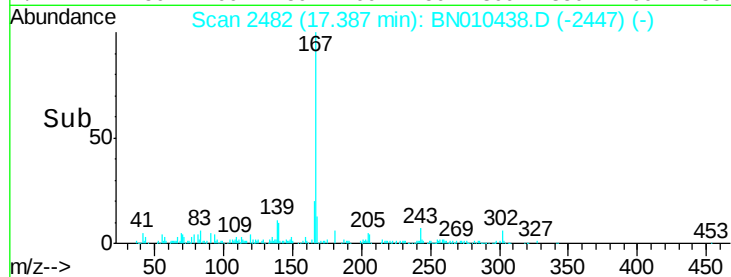
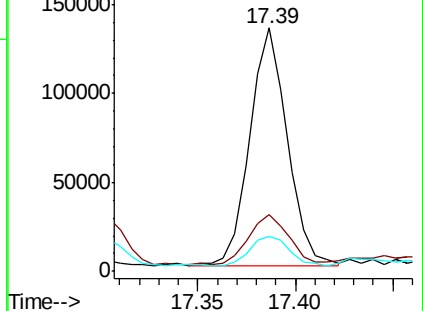
139 14.3 10.0 15.0



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: 7.057 ng/ul

RT: 19.05 min Scan# 2765

Delta R.T. 0.01 min

Lab File: BN010438.D

Acq: 08 Apr 2020 19:56

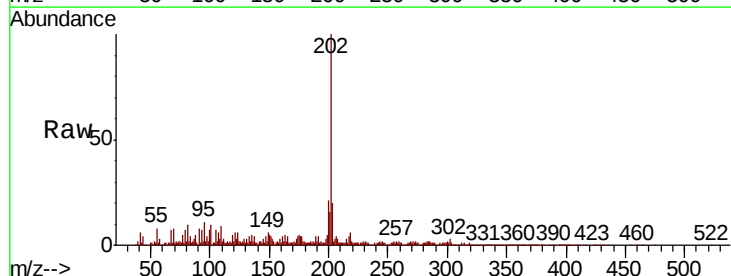
Tgt Ion:202 Resp: 1537920

Ion Ratio Lower Upper

202 100

101 9.9 8.1 12.1

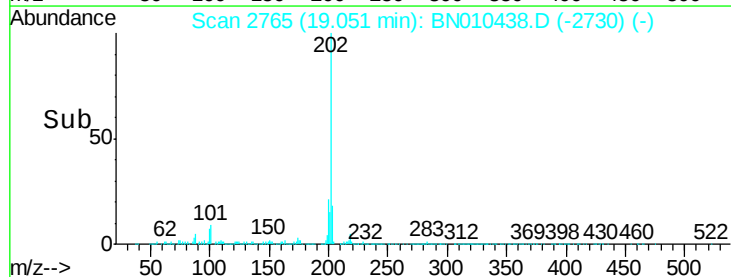
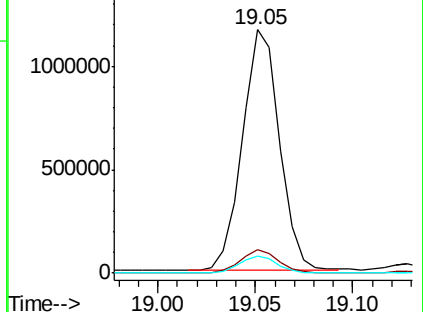
100 7.2 6.2 9.4

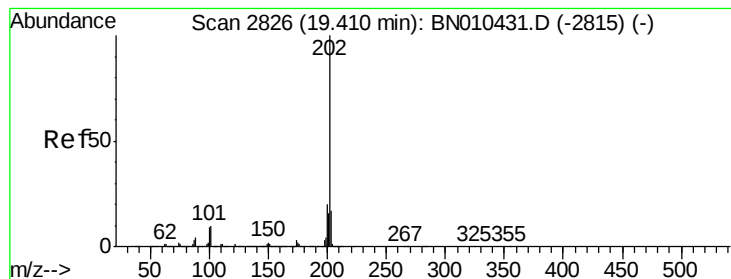


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Pvrene

Concen: 7.451 ng/ul

RT: 19.42 min Scan# 2828

Delta R.T. 0.01 min

Lab File: BN010438.D

Acq: 08 Apr 2020 19:56

Instrument :

BNA_N

ClientSampled :

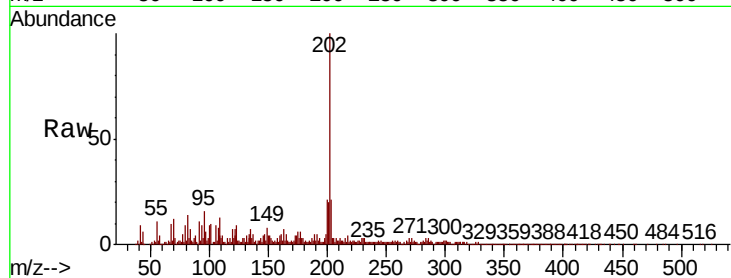
Tot Ion:202 Resp: 1449695

Ion Ratio Lower Upper

202 100

101 10.3 9.6 14.4

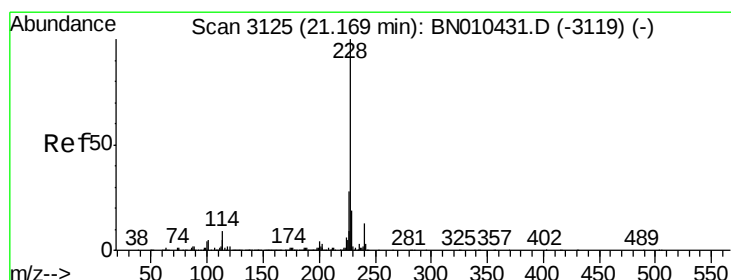
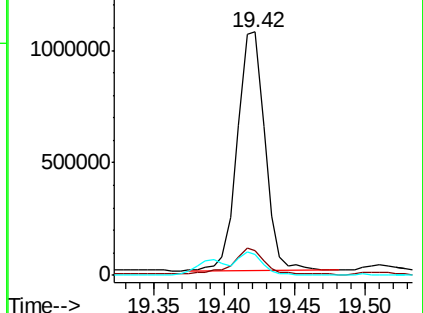
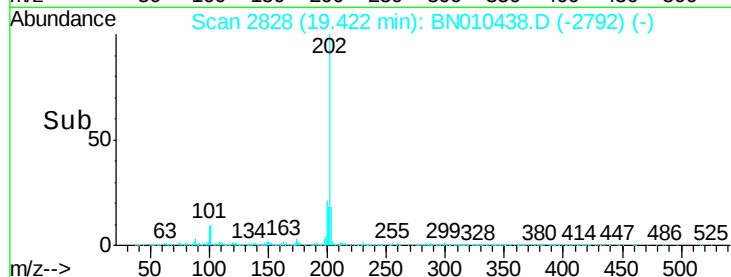
100 8.5 8.1 12.1



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: 3.021 ng/ul

RT: 21.18 min Scan# 3127

Delta R.T. 0.01 min

Lab File: BN010438.D

Acq: 08 Apr 2020 19:56

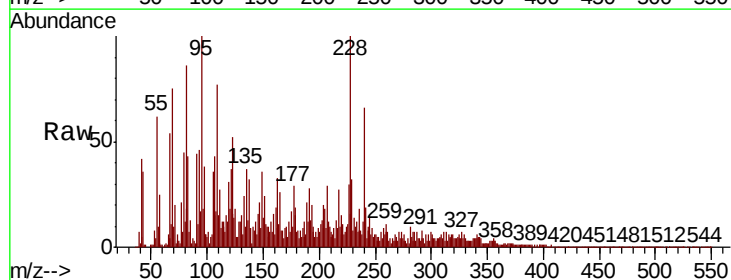
Tgt Ion:228 Resp: 590467

Ion Ratio Lower Upper

228 100

229 31.6 15.7 23.5#

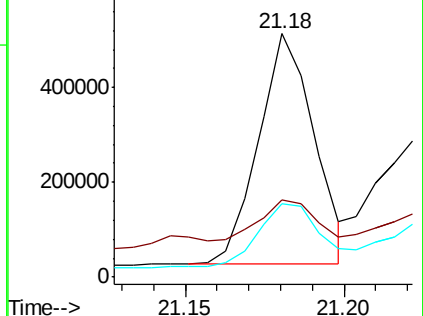
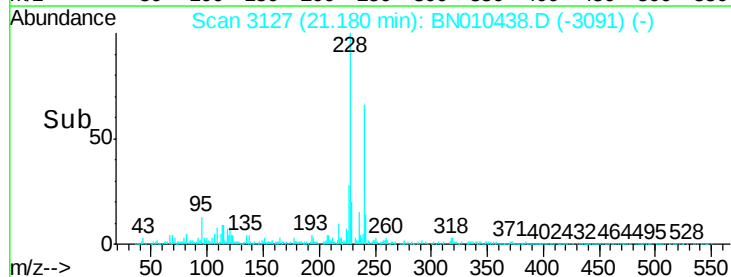
226 30.2 21.0 31.6

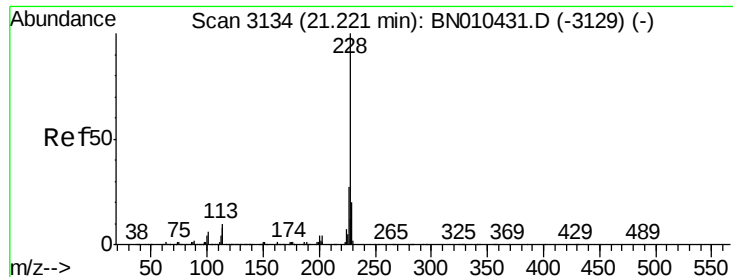


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#85

Chrysene

Concen: 4.318 ng/ul

RT: 21.23 min Scan# 3136

Delta R.T. 0.01 min

Lab File: BN010438.D

Acq: 08 Apr 2020 19:56

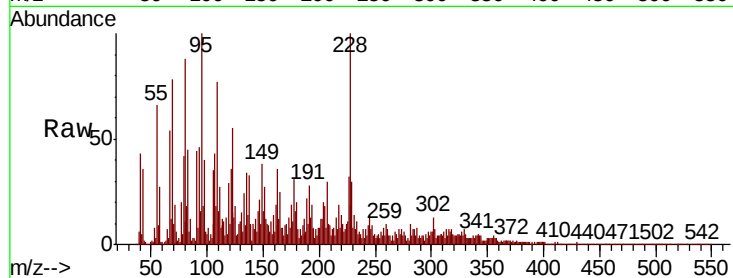
Instrument :

BNA_N

ClientSampleId :

Tot Ion:228 Resp: 804860

Ion	Ratio	Lower	Upper
228	100		
226	31.6	23.0	34.6
229	29.8	15.7	23.5#

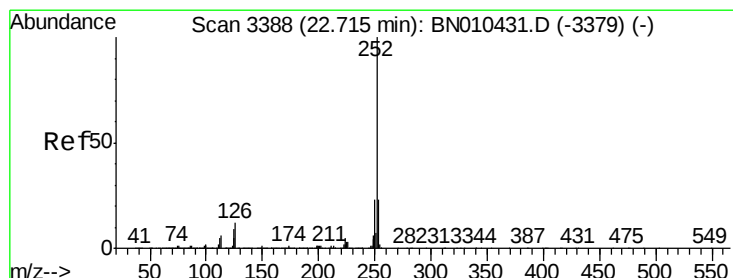
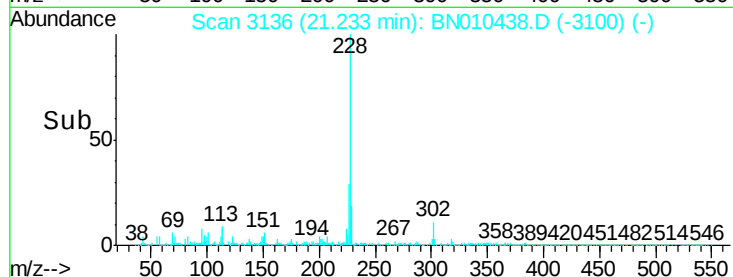
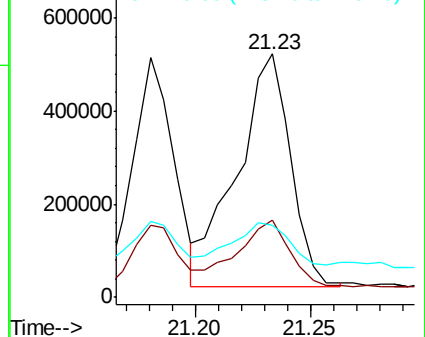


Abundance

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: 5.015 ng/ul

RT: 22.74 min Scan# 3392

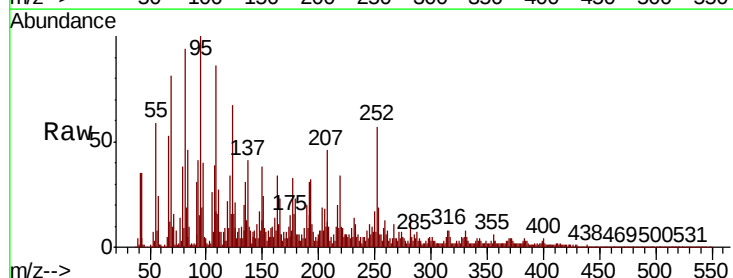
Delta R.T. 0.02 min

Lab File: BN010438.D

Acq: 08 Apr 2020 19:56

Tgt Ion:252 Resp: 828106

Ion	Ratio	Lower	Upper
252	100		
253	32.9	16.0	24.0#
125	36.1	7.4	11.0#

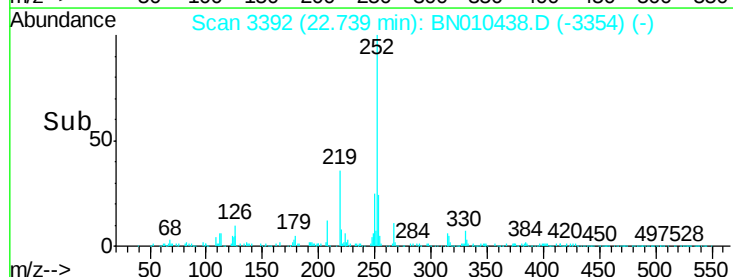
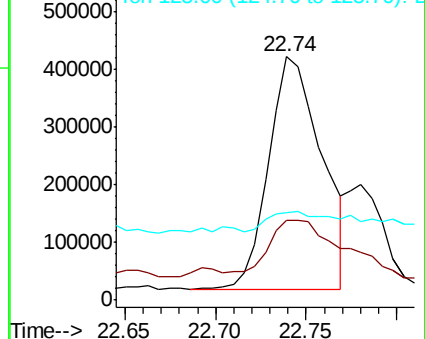


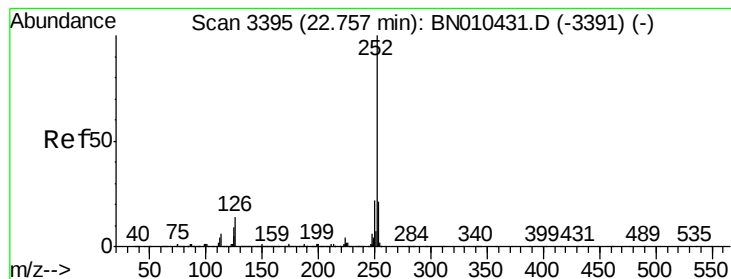
Abundance

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: 5.162 ng/ul

RT: 22.74 min Scan# 3392

Delta R.T. -0.02 min

Lab File: BN010438.D

Acq: 08 Apr 2020 19:56

Instrument :

BNA_N

ClientSampled :

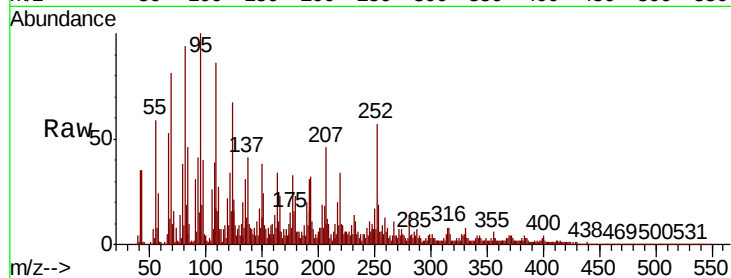
Tot Ion:252 Resp: 828106

Ion Ratio Lower Upper

252 100

253 32.9 18.6 27.8#

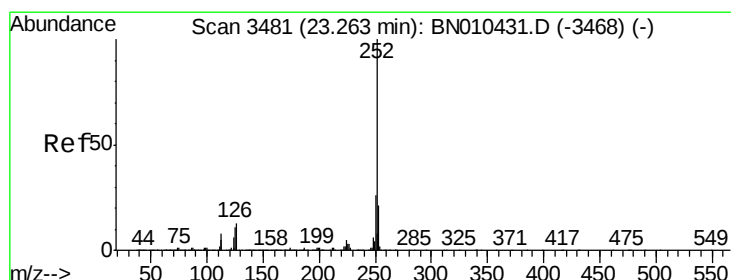
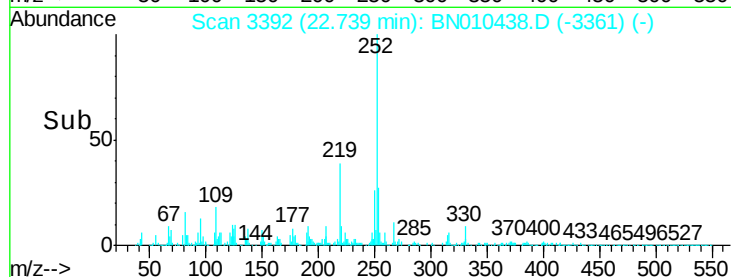
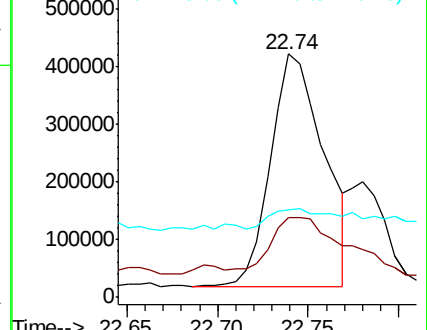
125 36.1 8.1 12.1#



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: 3.359 ng/ul

RT: 23.30 min Scan# 3487

Delta R.T. 0.04 min

Lab File: BN010438.D

Acq: 08 Apr 2020 19:56

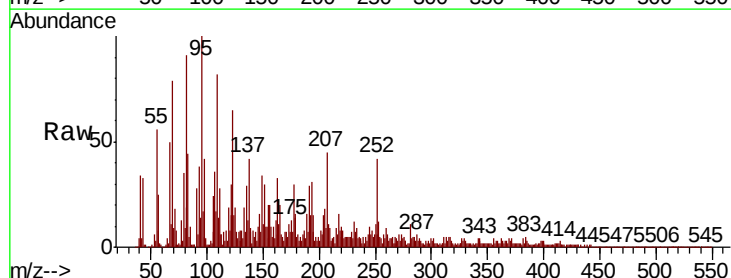
Tgt Ion:252 Resp: 519328

Ion Ratio Lower Upper

252 100

253 28.6 18.6 27.8#

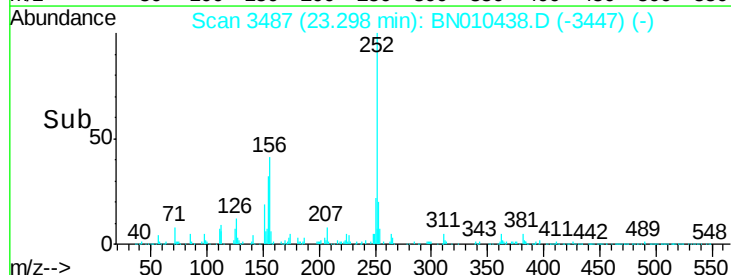
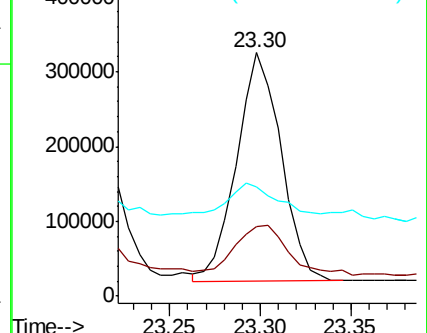
125 44.7 8.9 13.3#

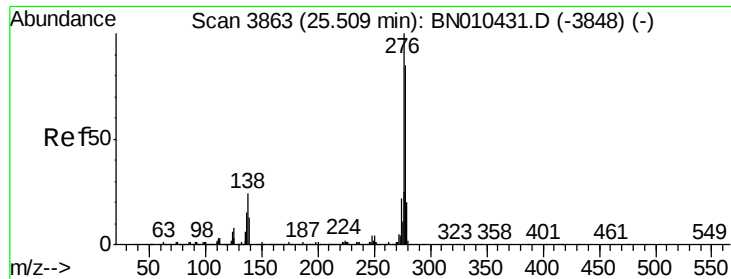


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



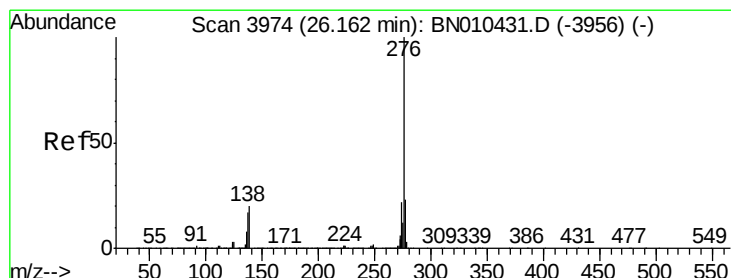
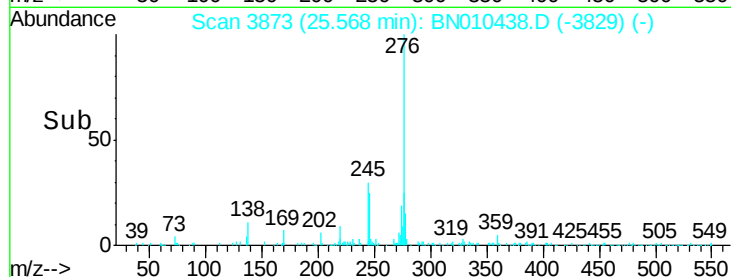
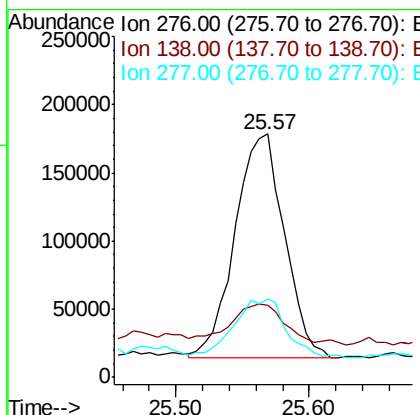
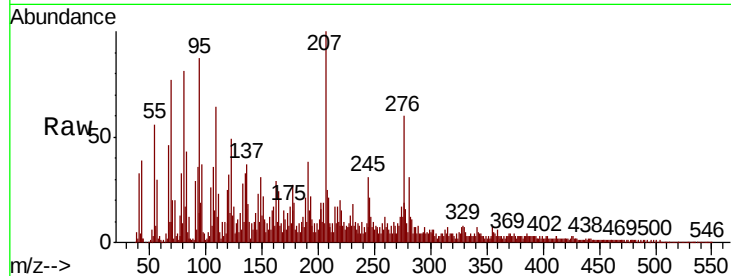


#92

Indeno(1,2,3-cd)pyrene
Concen: 2.117 ng/ul
RT: 25.57 min Scan# 3873
Delta R.T. 0.06 min
Lab File: BN010438.D
Acq: 08 Apr 2020 19:56

Instrument :
BNA_N
ClientSampled :

Tot Ion	Ratio	Lower	Upper
276	100		
138	29.4	19.8	29.8
277	32.2	20.6	30.8



#94

Benzo(g,h,i)perylene
Concen: 1.360 ng/ul
RT: 26.22 min Scan# 3983
Delta R.T. 0.05 min
Lab File: BN010438.D
Acq: 08 Apr 2020 19:56

Tgt Ion	Ratio	Lower	Upper
276	100		
138	28.0	16.8	25.2
277	31.2	18.4	27.6

