

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 :
 DBFA2

Manual Integrations
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mohammad
 4/9/2020 11:38:31 AM

Quant Time: Apr 09 02:28:22 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	23.37	264	3031759m	20.00	ng/ul	0.02

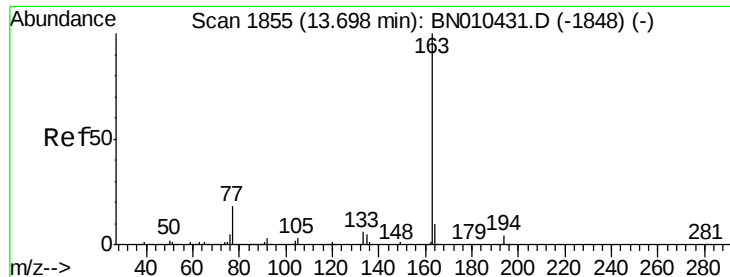
System Monitoring Compounds

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	28.12	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	78.590	ng/ul 100
89) Benzo(k)fluoranthene	22.77	252	4108889m	23.039	ng/ul
91) Benzo(a)pyrene	23.29	252	8047327m	46.819	ng/ul
92) Indeno(1,2,3-cd)pyrene	25.54	276	8448687m	38.089	ng/ul
93) Dibenzo(a,h)anthracene	25.54	278	2790312m	15.230	ng/ul
94) Benzo(g,h,i)perylene	26.20	276	6590645m	35.263	ng/ul

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



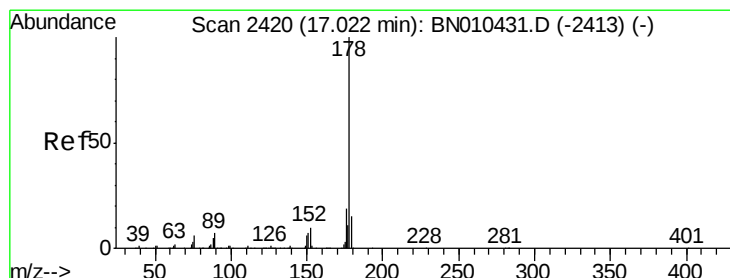
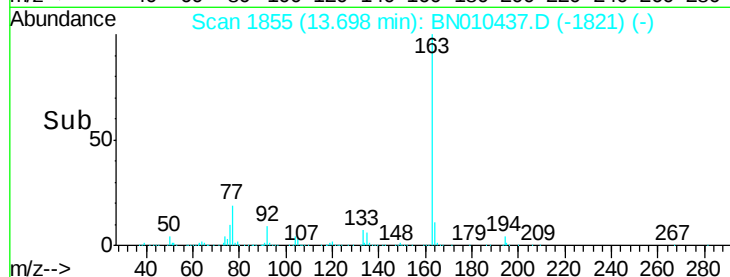
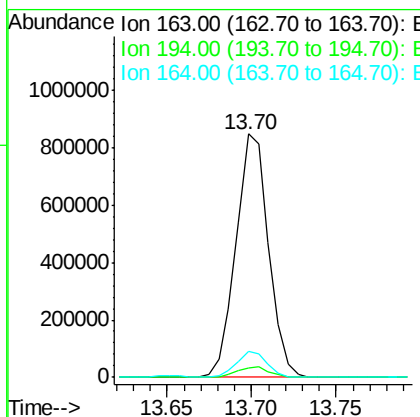
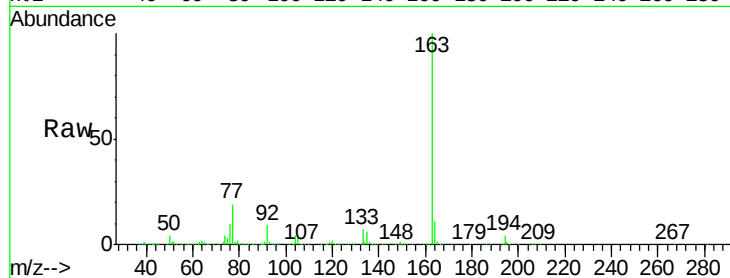
#45
Dimethylphthalate
Concen: 9.132 ng/ul
RT: 13.70 min Scan# 1855
Delta R.T. -0.00 min
Lab File: BN010437.D
Acq: 08 Apr 2020 19:20

Instrument :
BNA_N
ClientSampleId :
DBFA2

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

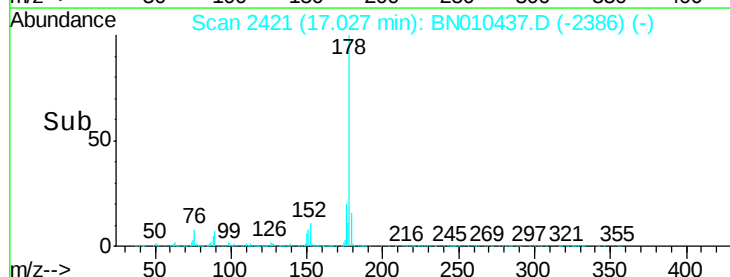
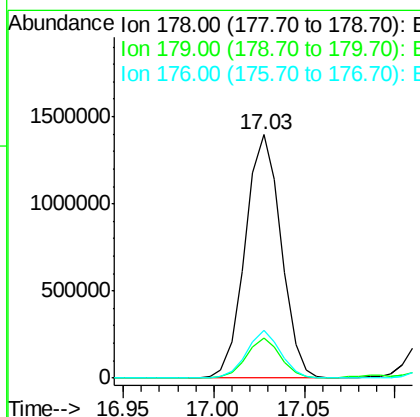
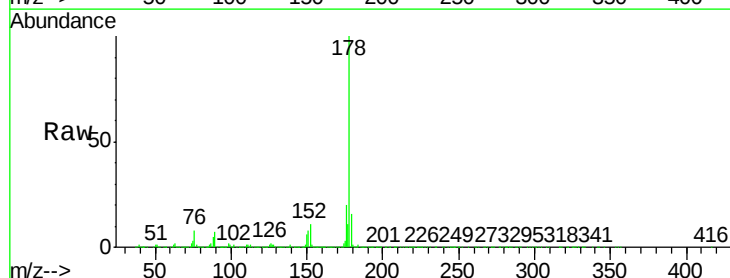
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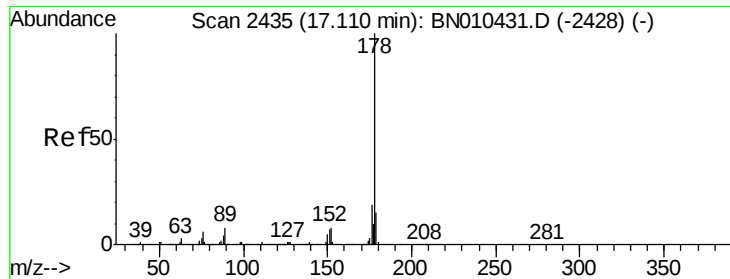
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#70
Phenanthrene
Concen: 9.710 ng/ul
RT: 17.03 min Scan# 2421
Delta R.T. 0.01 min
Lab File: BN010437.D
Acq: 08 Apr 2020 19:20

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





#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

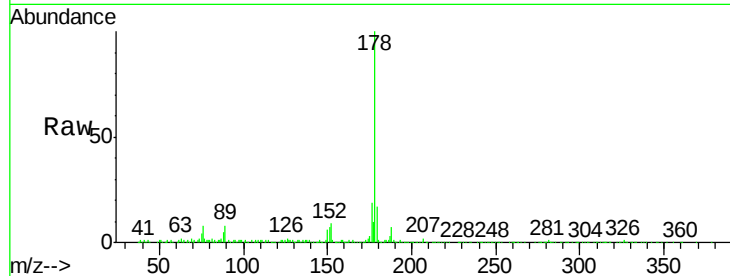
ClientSampleId :

DBFA2

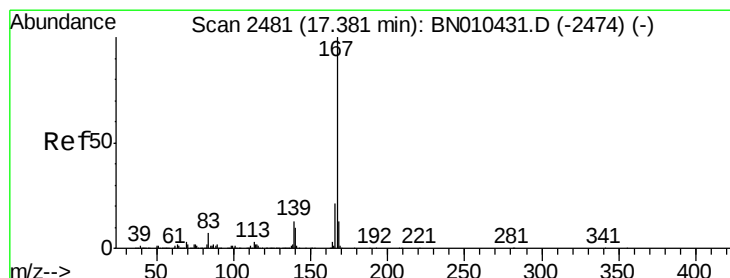
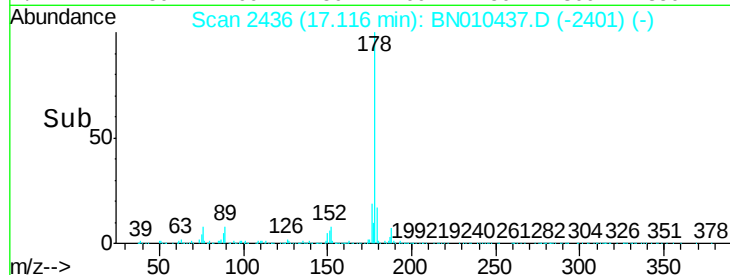
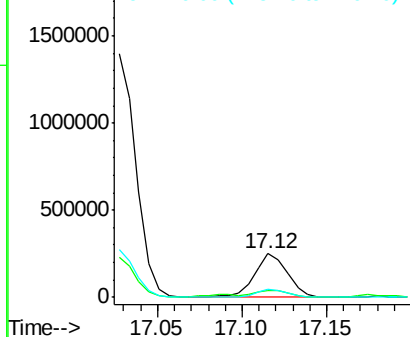
Tot Ion:	178	Resp:	331889
Ion Ratio	Lower	Upper	
178	100		
179	16.8	12.9	19.3
176	18.8	15.2	22.8

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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

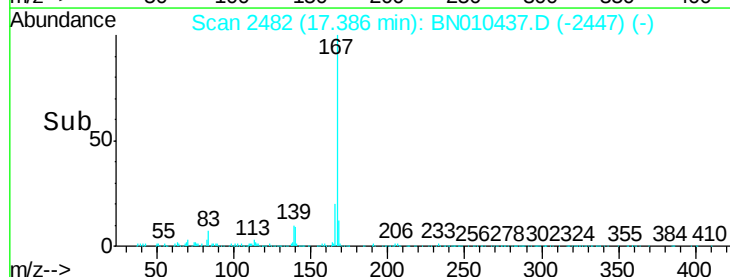
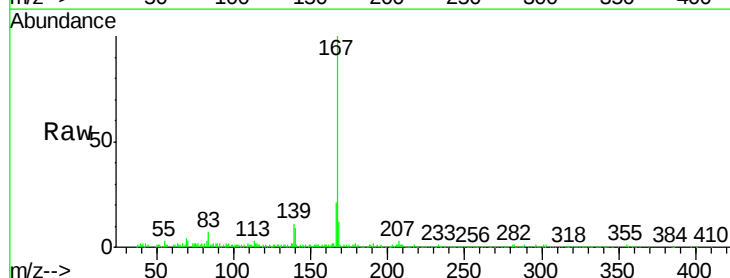
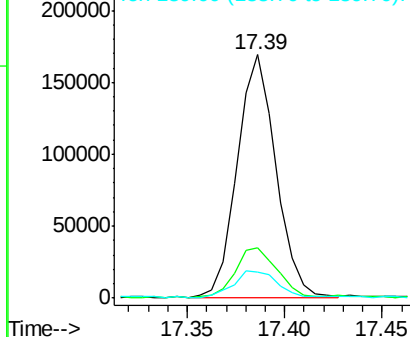
Delta R.T. 0.01 min

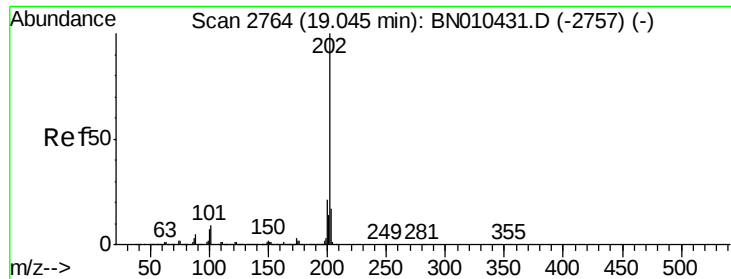
Lab File: BN010437.D

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 :

DBFA2

Tot Ion:202 Resp: 5438441

Ion Ratio Lower Upper

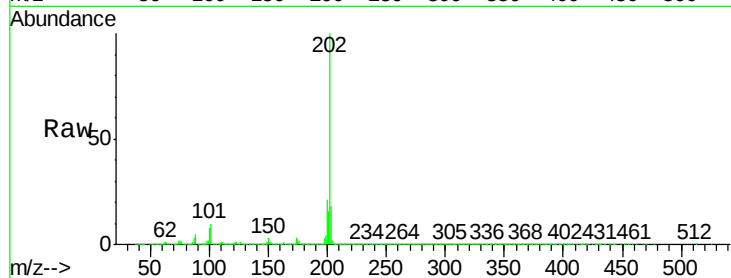
202 100

101 9.8 8.1 12.1

100 7.6 6.2 9.4

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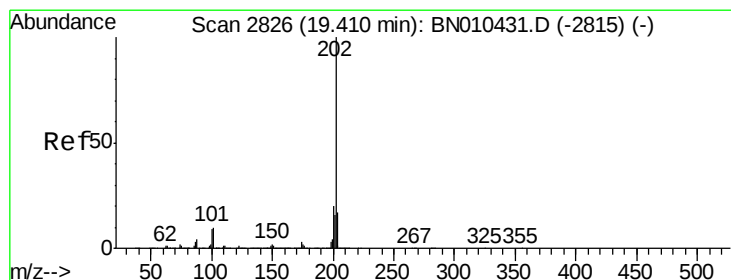
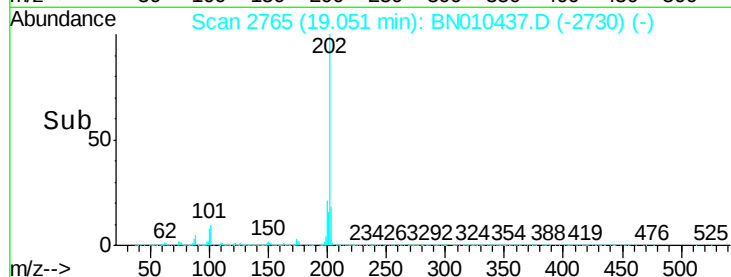
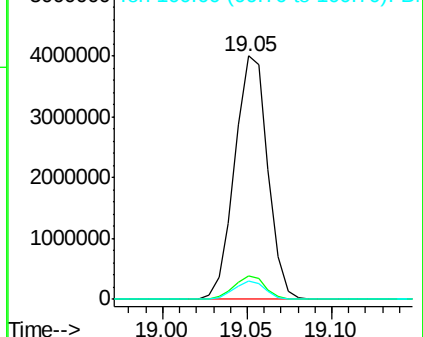
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#80

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

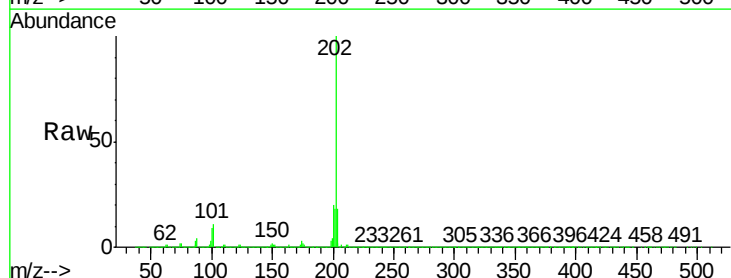
Tgt Ion:202 Resp: 4936760

Ion Ratio Lower Upper

202 100

101 11.1 9.6 14.4

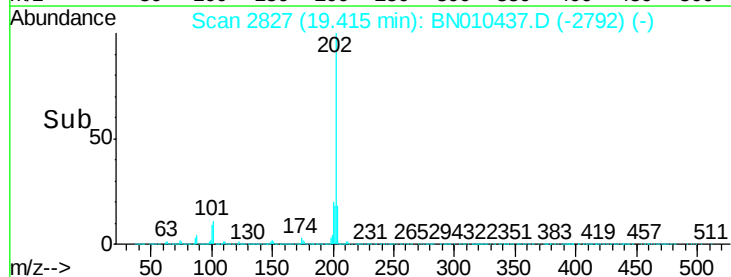
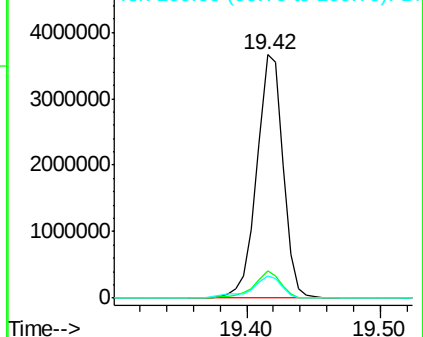
100 9.2 8.1 12.1

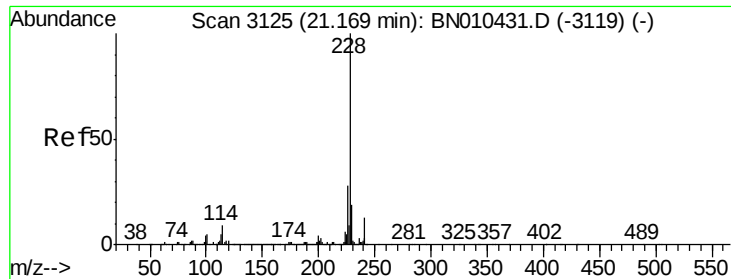


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





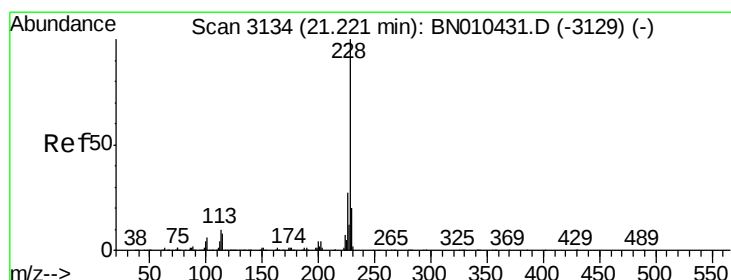
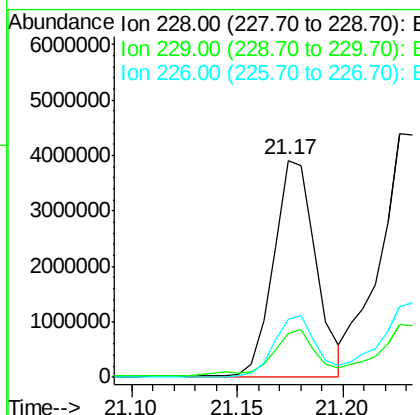
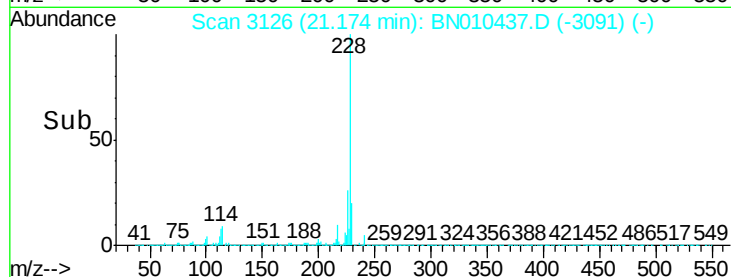
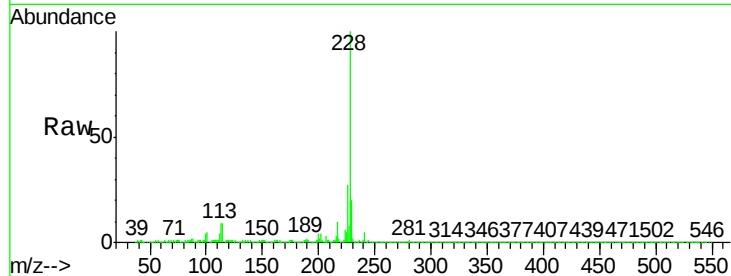
#83
Benzo(a)anthracene
Concen: 25.763 ng/ul
RT: 21.17 min Scan# 3126
Delta R.T. 0.01 min
Lab File: BN010437.D
Acq: 08 Apr 2020 19:20

Instrument :
BNA_N
ClientSampleId :
DBFA2

Tot Ion	Ratio	Lower	Upper
228	100		
229	20.3	15.7	23.5
226	26.5	21.0	31.6

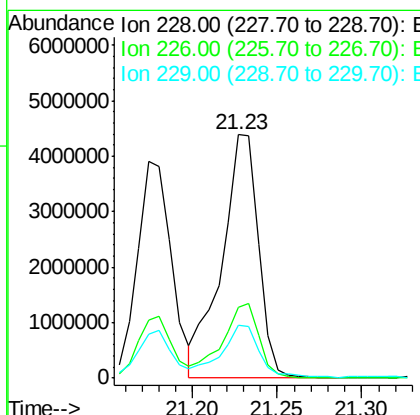
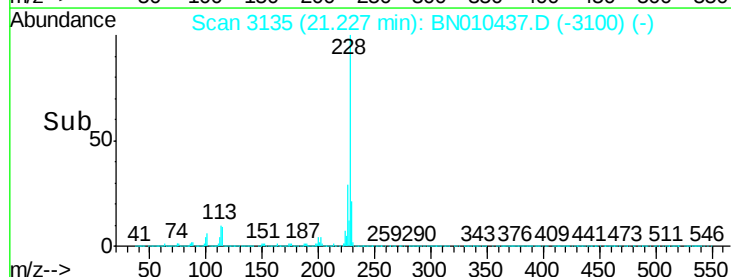
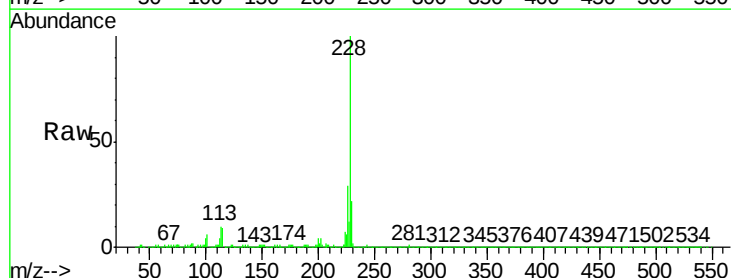
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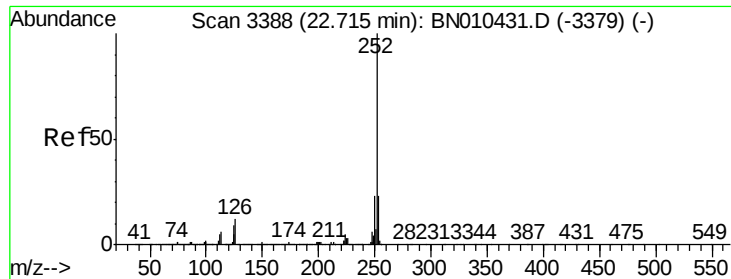
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#85
Chrysene
Concen: 32.804 ng/ul
RT: 21.23 min Scan# 3135
Delta R.T. 0.01 min
Lab File: BN010437.D
Acq: 08 Apr 2020 19:20

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.2	23.0	34.6
229	21.6	15.7	23.5





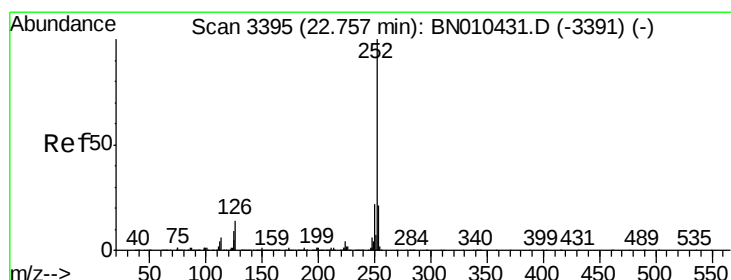
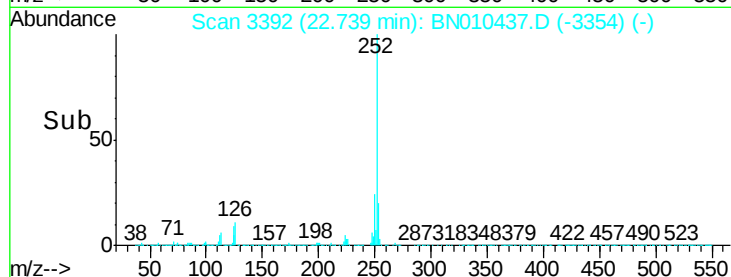
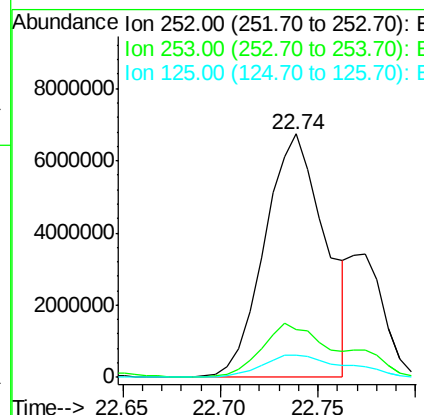
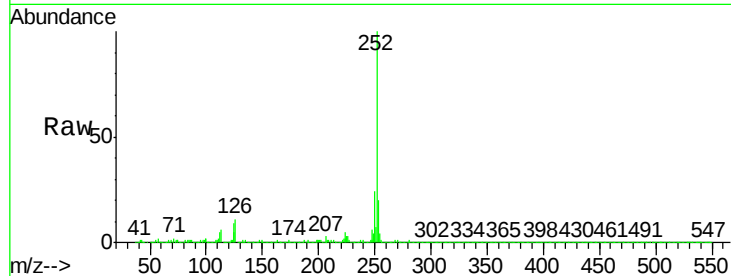
#88
Benzo(b)fluoranthene
Concen: 78.590 ng/ul
RT: 22.74 min Scan# 3392
Delta R.T. 0.02 min
Lab File: BN010437.D
Acq: 08 Apr 2020 19:20

Instrument :
BNA_N
ClientSampleId :
DBFA2

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

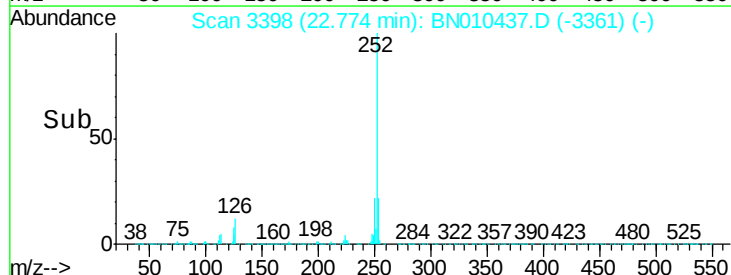
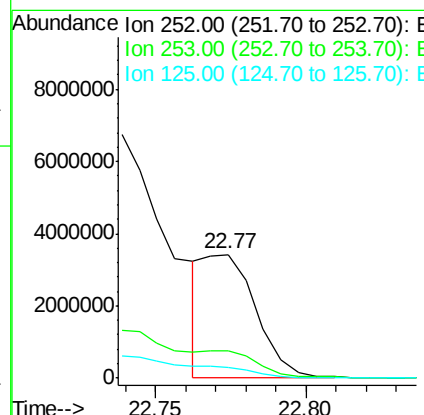
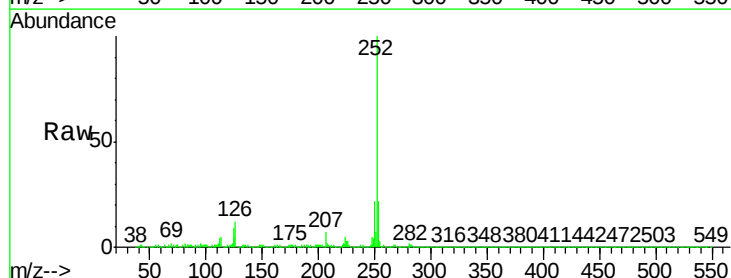
Manual Integrations
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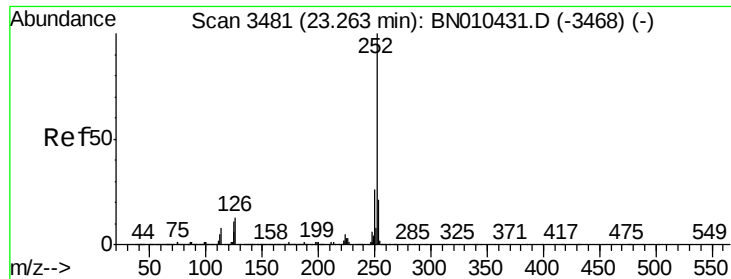
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#89
Benzo(k)fluoranthene
Concen: 23.039 ng/ul m
RT: 22.77 min Scan# 3398
Delta R.T. 0.02 min
Lab File: BN010437.D
Acq: 08 Apr 2020 19:20

Tgt Ion:252 Resp: 4108889
Ion Ratio Lower Upper
252 100
253 22.3 18.6 27.8
125 8.7 8.1 12.1





#91

Benzo(a)pyrene

Concen: 46.819 ng/ul m

RT: 23.29 min Scan# 3485

Delta R.T. 0.02 min

Lab File: BN010437.D

Acq: 08 Apr 2020 19:20

Instrument :

BNA_N

ClientSampleId :

DBFA2

Tot Ion:252 Resp: 8047327

Ion Ratio Lower Upper

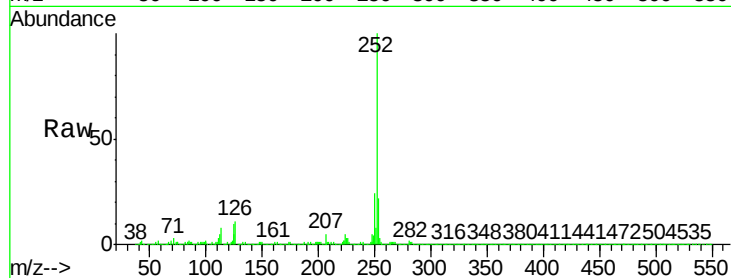
252 100

253 21.7 18.6 27.8

125 9.8 8.9 13.3

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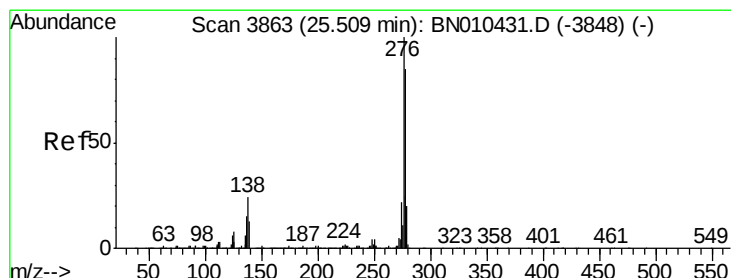
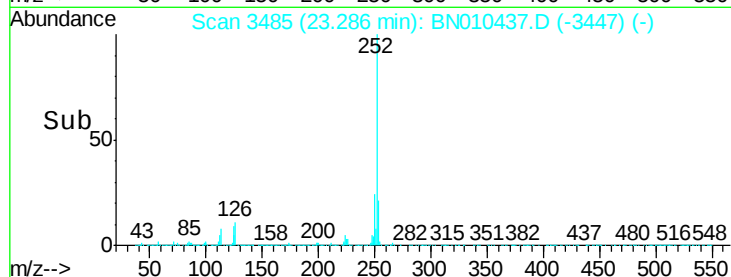
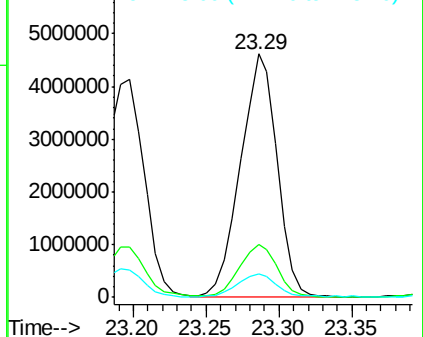


Abundance

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: 38.089 ng/ul m

RT: 25.54 min Scan# 3869

Delta R.T. 0.04 min

Lab File: BN010437.D

Acq: 08 Apr 2020 19:20

Tgt Ion:276 Resp: 8448687

Ion Ratio Lower Upper

276 100

138 18.7 19.8 29.8#

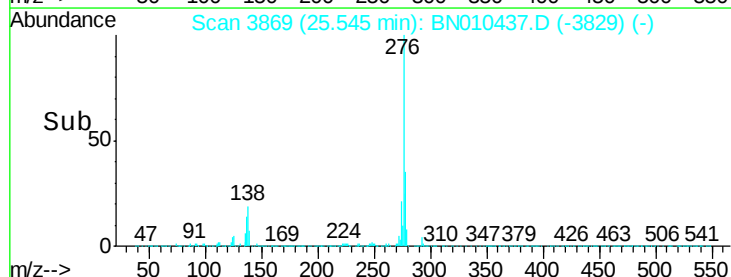
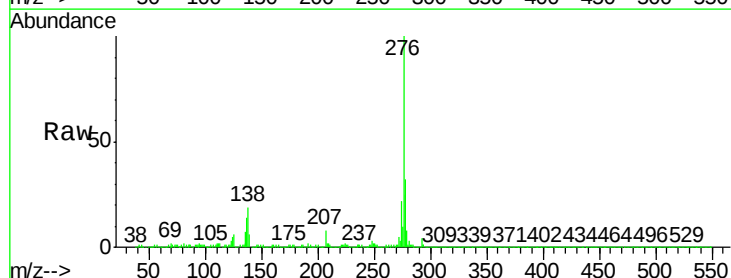
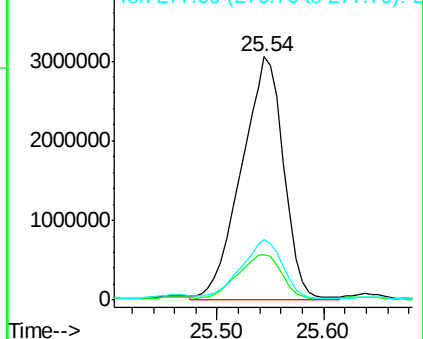
277 25.0 20.6 30.8

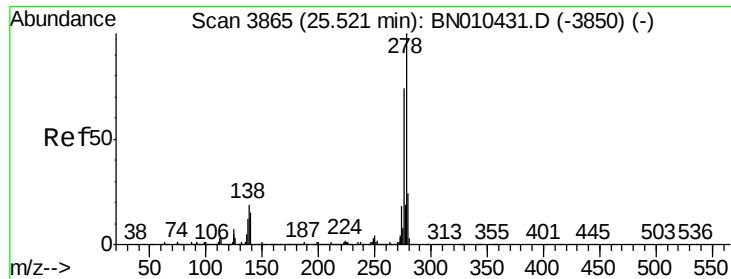
Abundance

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





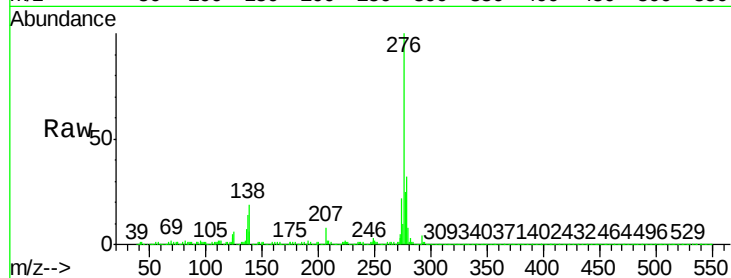
#93
Dibenzo(a,h)anthracene
Concen: 15.230 ng/ul m
RT: 25.54 min Scan# 3869
Delta R.T. 0.02 min
Lab File: BN010437.D
Acq: 08 Apr 2020 19:20

Instrument :
BNA_N
ClientSampleId :
DBFA2

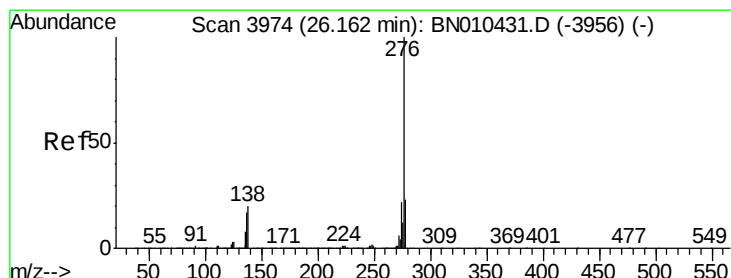
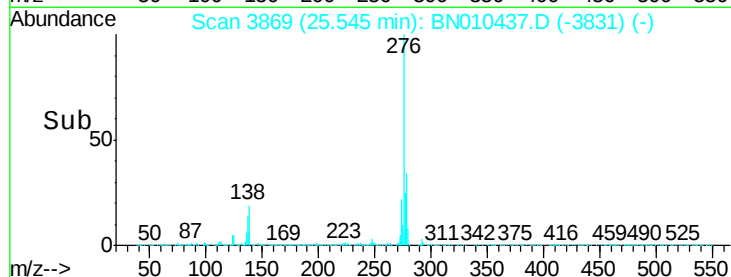
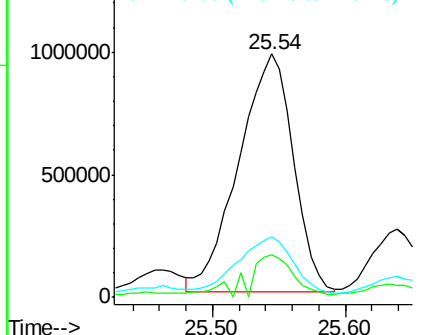
Tot Ion	Ratio	Lower	Upper
278	100		
139	17.4	12.0	18.0
279	24.8	18.2	27.2

Manual Integrations
APPROVED

mohammad
4/9/2020 11:38:31 AM

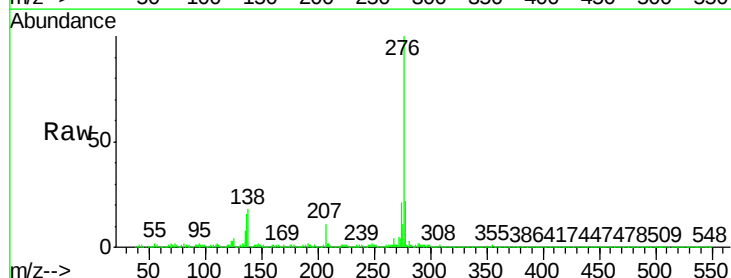


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#94
Benzo(g,h,i)perylene
Concen: 35.263 ng/ul m
RT: 26.20 min Scan# 3981
Delta R.T. 0.04 min
Lab File: BN010437.D
Acq: 08 Apr 2020 19:20

Tgt Ion	Ratio	Lower	Upper
276	100		
138	18.3	16.8	25.2
277	22.4	18.4	27.6



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

