

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN022820\
 Data File : BN010000.D
 Acq On : 28 Feb 2020 23:44
 Operator : CG/JU
 Sample : L1507-14
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 DBD12

Manual Integrations
 APPROVED

mohammad
 3/3/2020 4:59:16 PM

Quant Time: Feb 29 03:32:08 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Feb 29 01:38:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	76906	20.00	ng/ul	0.00
18) Naphthalene-d8	10.12	136	337535	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.02	164	223071	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.77	188	503840	20.00	ng/ul	0.00
78) Chrysene-d12	21.00	240	488390	20.00	ng/ul	0.00
86) Perylene-d12	23.10	264	505075	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.02	96	9629	5.15	ng/uL	0.00
5) Phenol-d5	6.58	99	188067	28.75	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.73	67	135109	29.93	ng/ul	0.00
9) 2-Chlorophenol-d4	6.92	132	151216	30.71	ng/ul	0.00
13) 4-Methylphenol-d8	8.09	113	152382	29.28	ng/ul	0.00
19) Nitrobenzene-d5	8.52	128	75524	30.58	ng/ul	0.00
22) 2-Nitrophenol-d4	9.23	143	81165	30.04	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.76	165	160256	30.86	ng/ul	0.00
29) 4-Chloroaniline-d4	10.28	131	154042	26.40	ng/ul	0.00
44) Dimethylphthalate-d6	13.45	166	532380	31.95	ng/ul	0.00
47) Acenaphthylene-d8	13.70	160	634703	32.34	ng/ul	0.00
52) 4-Nitrophenol-d4	14.28	143	80278	26.38	ng/ul	0.02
58) Fluorene-d10	15.02	176	488567	33.96	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.19	200	79032	25.25	ng/ul	0.00
71) Anthracene-d10	16.87	188	777378	33.66	ng/ul	0.00
79) Pyrene-d10	19.19	212	853551	33.44	ng/ul	0.00
90) Benzo(a)pyrene-d12	22.97	264	856004	33.94	ng/ul	0.00

Target Compounds

					Ovalue	
6) Phenol	6.60	94	8125	1.159	ng/ul#	56
28) Naphthalene	10.17	128	346749	19.050	ng/ul	99
34) 2-Methylnaphthalene	11.79	142	267330	21.152	ng/ul	97
41) 1,1'-Biphenyl	12.84	154	78865	4.603	ng/ul	99
45) Dimethylphthalate	13.49	163	46738	2.688	ng/ul	96
48) Acenaphthylene	13.73	152	225650	10.624	ng/ul	99
50) Acenaphthene	14.08	153	501790	34.462	ng/ul	98
54) Dibenzofuran	14.42	168	439362	21.498	ng/ul	96
59) Fluorene	15.07	166	404592	23.589	ng/ul	99
70) Phenanthrene	16.82	178	2312675	80.429	ng/ul	99
72) Anthracene	16.91	178	1091682	37.139	ng/ul	98
75) Carbazole	17.19	167	215436	8.323	ng/ul	97
77) Fluoranthene	18.86	202	8820777	261.888	ng/ul	100
80) Pyrene	19.23	202	16866900m	479.027	ng/ul	
83) Benzo(a)anthracene	20.99	228	3498400	104.235	ng/ul	96
85) Chrysene	21.05	228	4028860m	121.932	ng/ul	
88) Benzo(b)fluoranthene	22.50	252	4673918	142.728	ng/ul	98
89) Benzo(k)fluoranthene	22.53	252	1388276m	44.772	ng/ul	
91) Benzo(a)pyrene	23.02	252	1818265	61.734	ng/ul	98
92) Indeno(1,2,3-cd)pyrene	25.13	276	883745	25.273	ng/ul	95
93) Dibenzo(a,h)anthracene	25.13	278	249150	8.329	ng/ul#	70
94) Benzo(a,h,i)perylene	25.76	276	545123	18.592	ng/ul	97

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN022820\
Data File : BN010000.D
Acq On : 28 Feb 2020 23:44
Operator : CG/JU
Sample : L1507-14
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DBD12

Manual Integrations
APPROVED

mohammad
3/3/2020 4:59:16 PM

Quant Time: Feb 29 03:32:08 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Feb 29 01:38:10 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
--------------------	------	------	----------	------	-------	----------

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

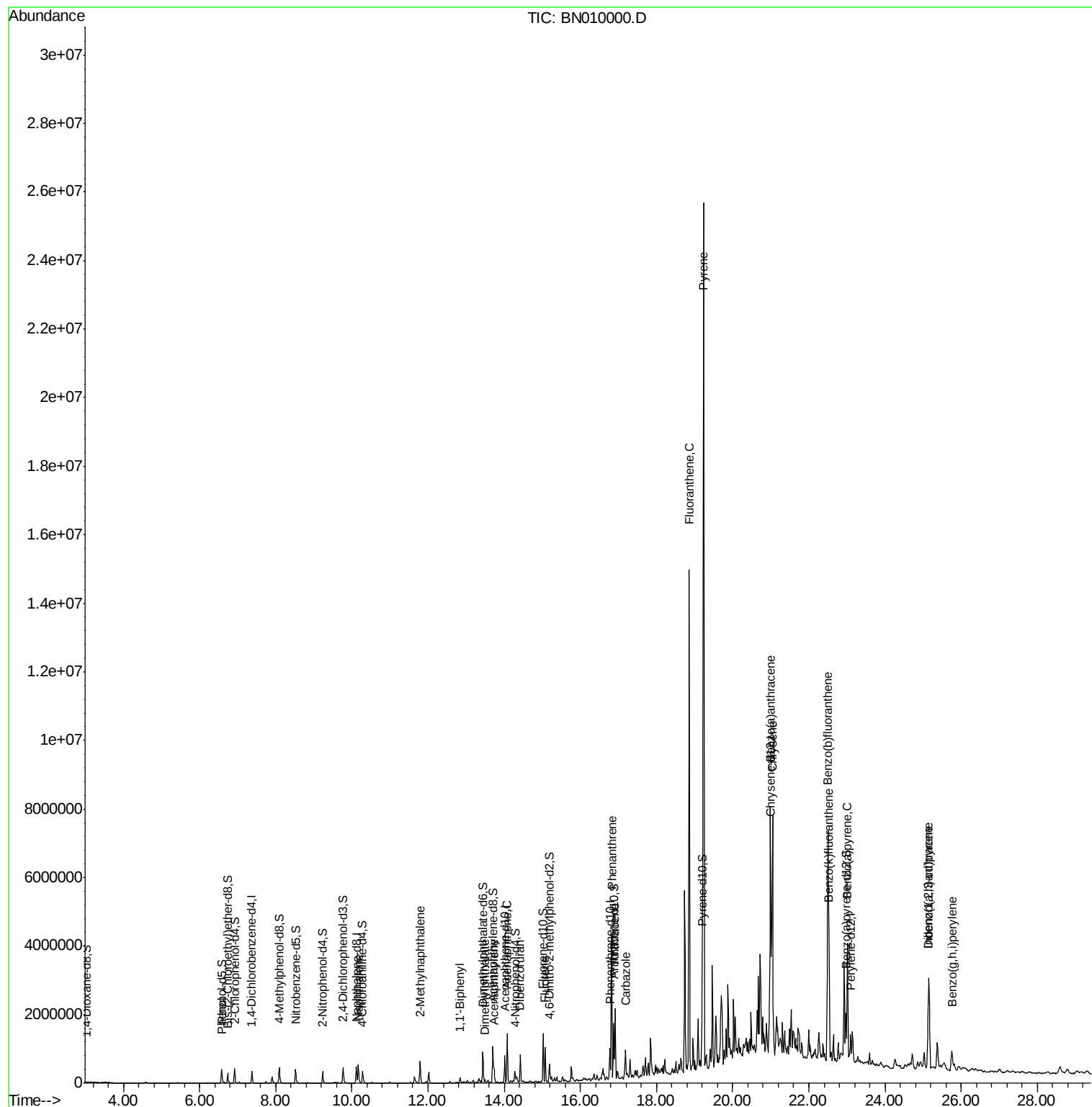
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN022820\
Data File : BN010000.D
Acq On : 28 Feb 2020 23:44
Operator : CG/JU
Sample : L1507-14
Misc :
ALS Vial : 20 Sample Multiplier: 1

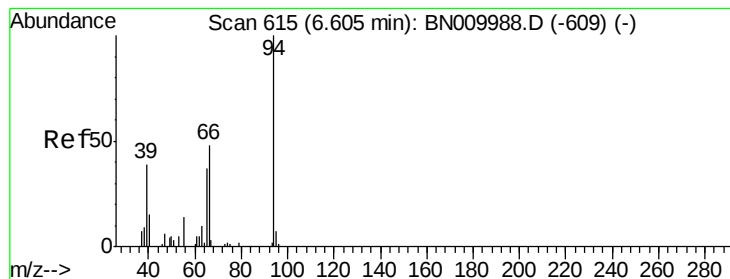
Instrument :
BNA_N
ClientSampleId :
DBD12

Manual Integrations
APPROVED

mohammad
3/3/2020 4:59:16 PM

Quant Time: Feb 29 03:32:08 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Feb 29 01:38:10 2020
Response via : Initial Calibration





#6

Phenol

Concen: 1.159 ng/ul

RT: 6.60 min Scan# 615

Delta R.T. 0.00 min

Lab File: BN010000.D

Acq: 28 Feb 2020 23:44

Instrument :

BNA_N

ClientSampled :

DBD12

Tot Ion: 94 Resp: 8125

Ion Ratio Lower Upper

94 100

65 42.5 27.6 41.4#

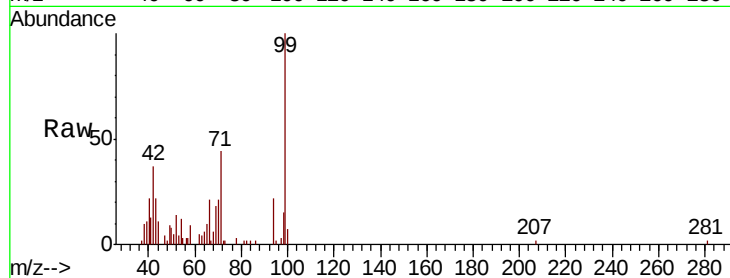
66 92.5 38.5 57.7#

Manual Integrations

APPROVED

mohammad

3/3/2020 4:59:16 PM

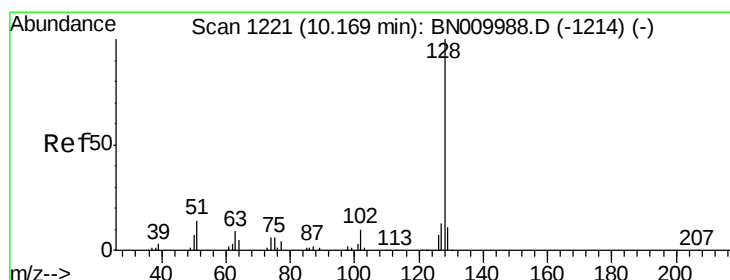
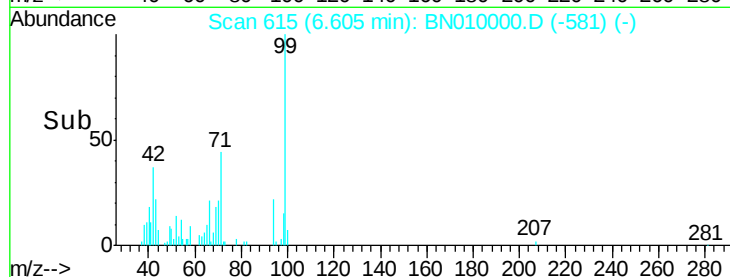
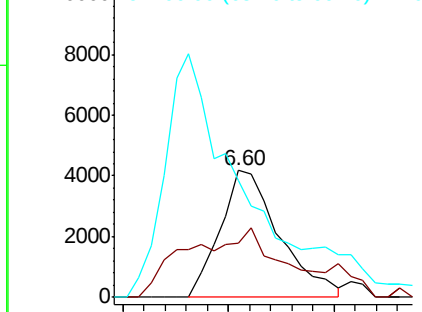


Abundance

Ion 94.00 (93.70 to 94.70): BN0

Ion 65.00 (64.70 to 65.70): BN0

Ion 66.00 (65.70 to 66.70): BN0



#28

Naphthalene

Concen: 19.050 ng/ul

RT: 10.17 min Scan# 1221

Delta R.T. 0.00 min

Lab File: BN010000.D

Acq: 28 Feb 2020 23:44

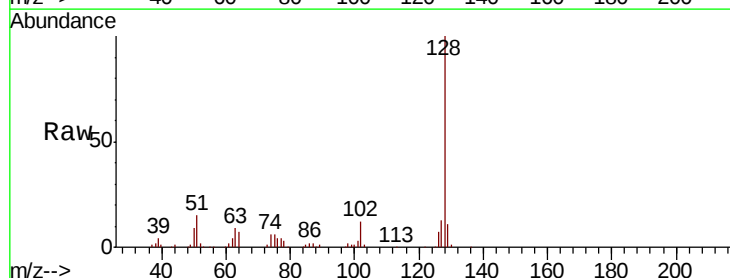
Tgt Ion: 128 Resp: 346749

Ion Ratio Lower Upper

128 100

129 10.9 8.6 13.0

127 13.5 10.3 15.5

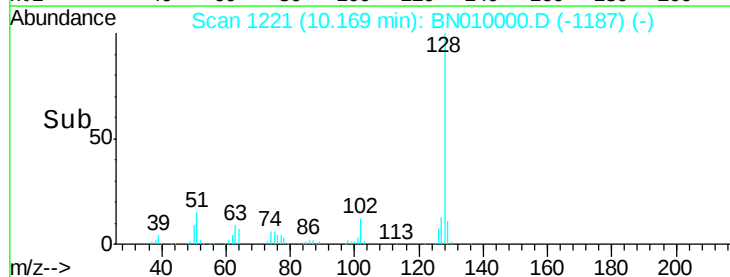
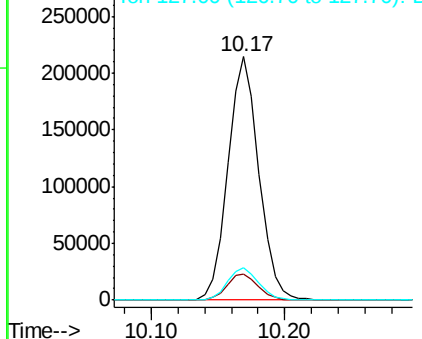


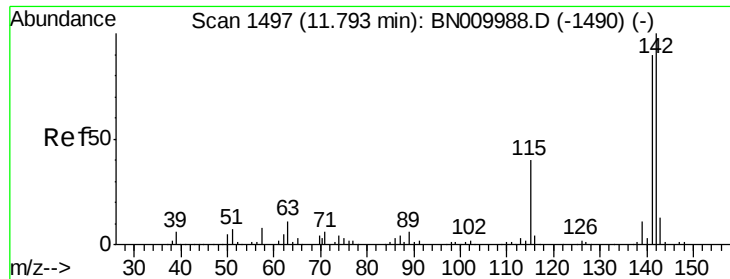
Abundance

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





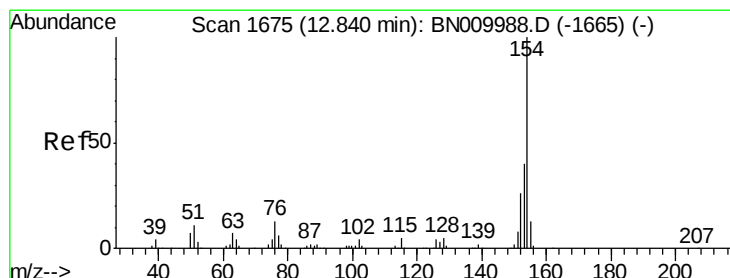
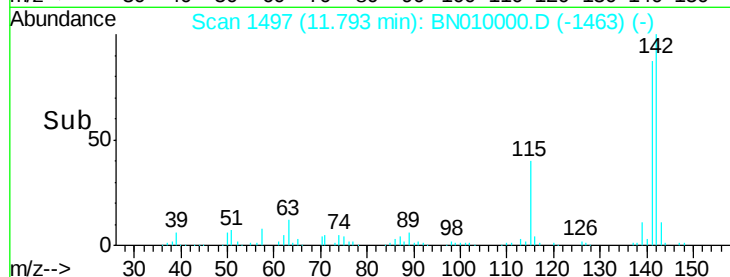
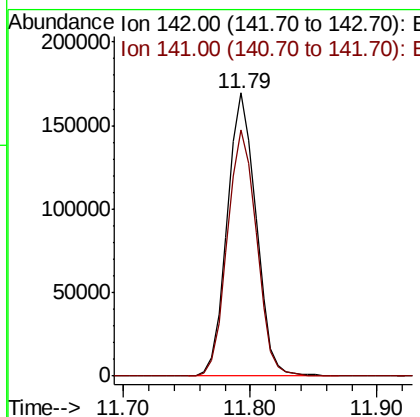
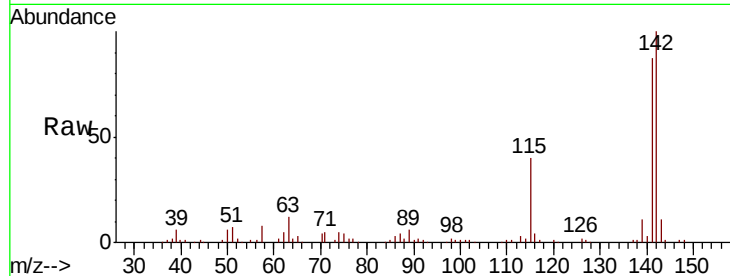
#34
2-Methylnaphthalene
Concen: 21.152 ng/ul
RT: 11.79 min Scan# 1497
Delta R.T. 0.00 min
Lab File: BN010000.D
Acq: 28 Feb 2020 23:44

Instrument :
BNA_N
ClientSampled :
DBD12

Tot Ion	Ratio	Lower	Upper
142	100		
141	87.0	72.1	108.1

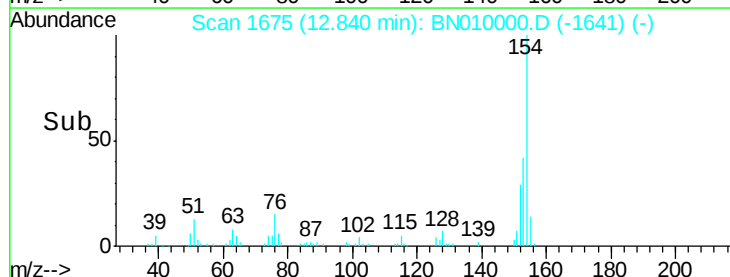
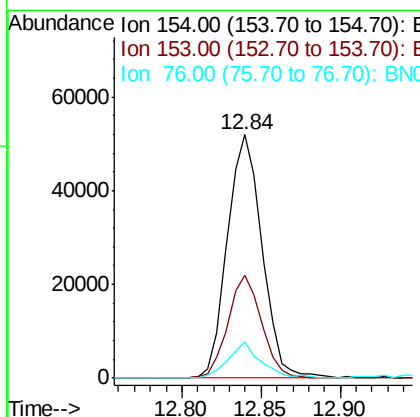
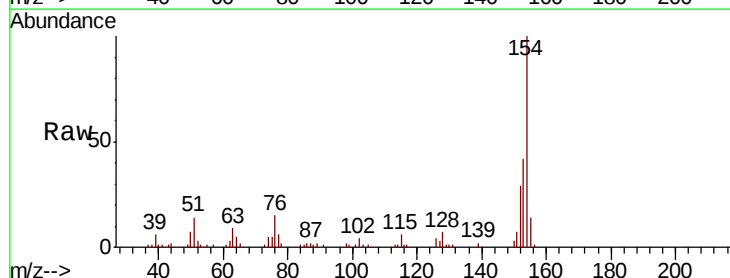
Manual Integrations
APPROVED

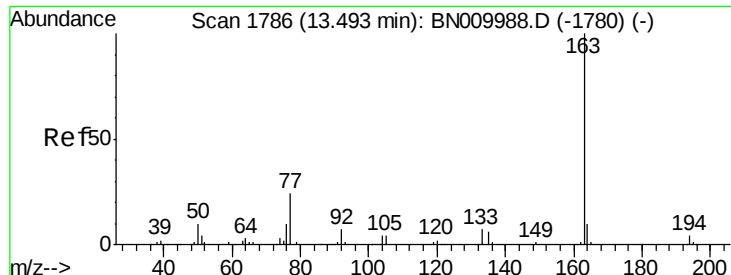
mohammad
3/3/2020 4:59:16 PM



#41
1,1'-Biphenyl
Concen: 4.603 ng/ul
RT: 12.84 min Scan# 1675
Delta R.T. 0.00 min
Lab File: BN010000.D
Acq: 28 Feb 2020 23:44

Tgt Ion	Ratio	Lower	Upper
154	100		
153	42.0	33.2	49.8
76	14.7	11.0	16.4





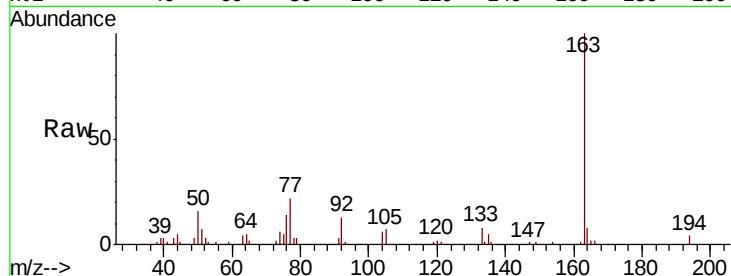
#45
Dimethylphthalate
Concen: 2.688 ng/ul
RT: 13.49 min Scan# 1786
Delta R.T. 0.00 min
Lab File: BN010000.D
Acq: 28 Feb 2020 23:44

Instrument :
BNA_N
ClientSampleId :
DBD12

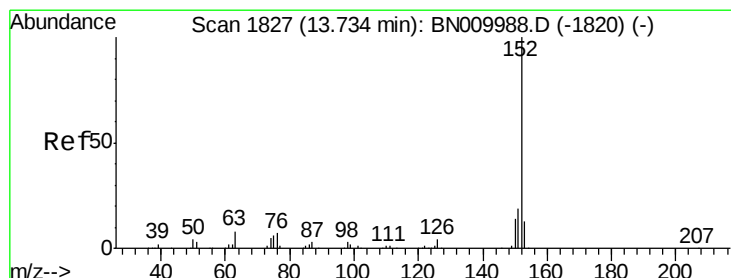
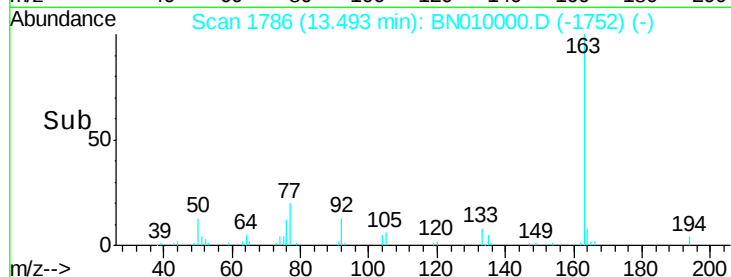
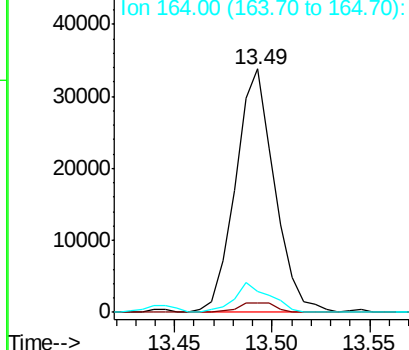
Tot Ion	Ratio	Lower	Upper
163	100		
194	3.6	3.4	5.0
164	8.4	8.0	12.0

Manual Integrations
APPROVED

mohammad
3/3/2020 4:59:16 PM

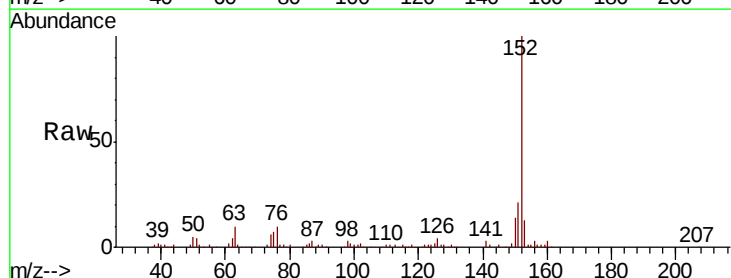


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

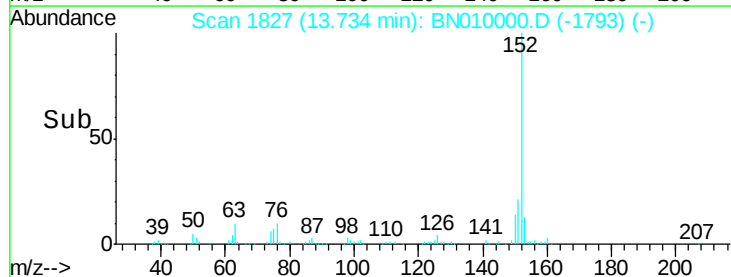
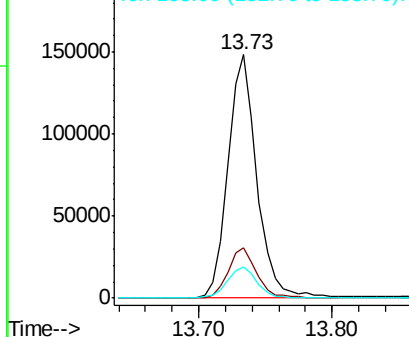


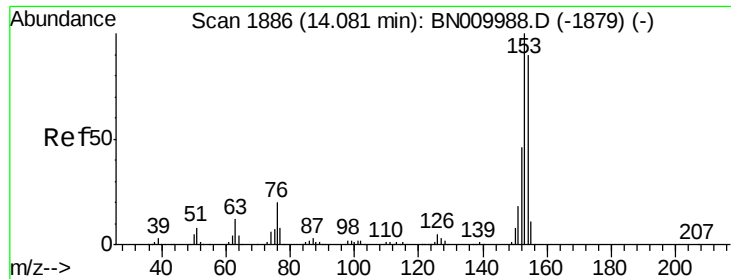
#48
Acenaphthylene
Concen: 10.624 ng/ul
RT: 13.73 min Scan# 1827
Delta R.T. 0.00 min
Lab File: BN010000.D
Acq: 28 Feb 2020 23:44

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.5	15.7	23.5
153	12.8	10.3	15.5



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





#50

Acenaphthene

Concen: 34.462 ng/ul

RT: 14.08 min Scan# 1886

Delta R.T. 0.00 min

Lab File: BN010000.D

Acq: 28 Feb 2020 23:44

Instrument :

BNA_N

ClientSampled :

DBD12

Tot Ion:153 Resp: 501790

Ion Ratio Lower Upper

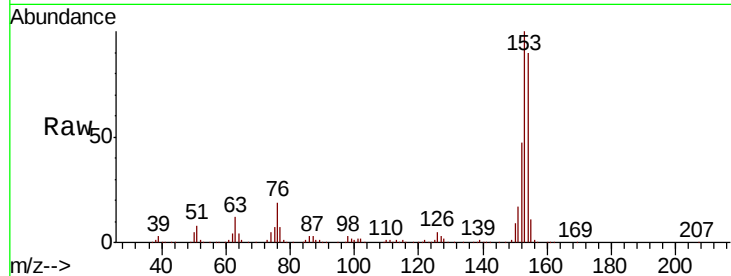
153 100

152 47.0 36.6 54.8

154 89.7 70.6 106.0

Manual Integrations
APPROVED

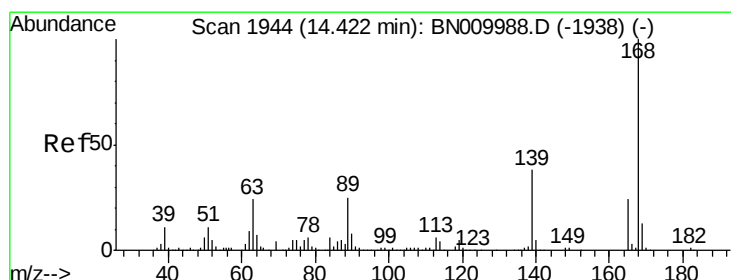
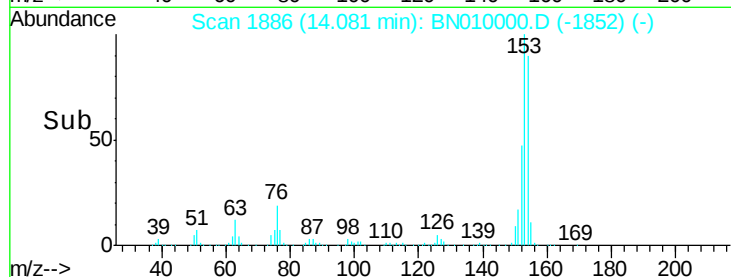
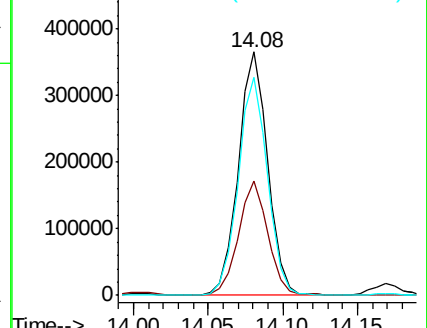
mohammad
3/3/2020 4:59:16 PM



Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#54

Dibenzofuran

Concen: 21.498 ng/ul

RT: 14.42 min Scan# 1944

Delta R.T. 0.00 min

Lab File: BN010000.D

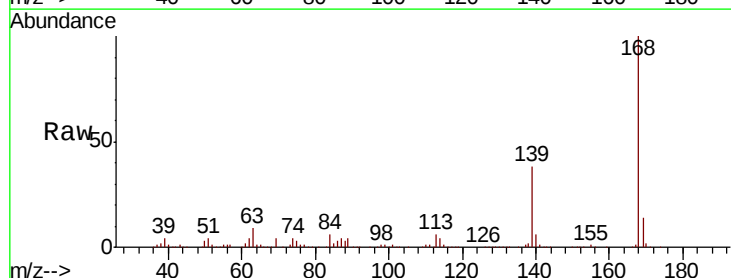
Acq: 28 Feb 2020 23:44

Tgt Ion:168 Resp: 439362

Ion Ratio Lower Upper

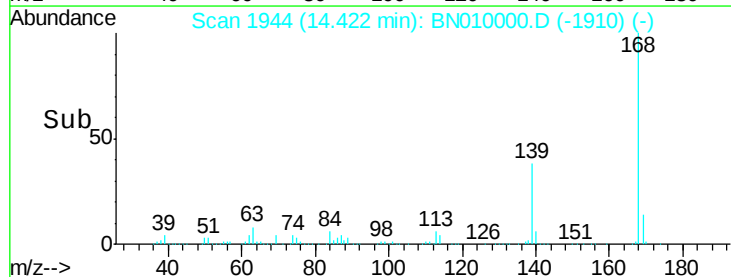
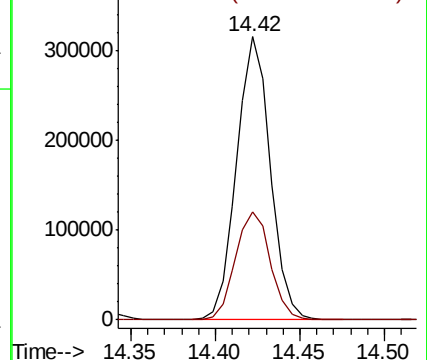
168 100

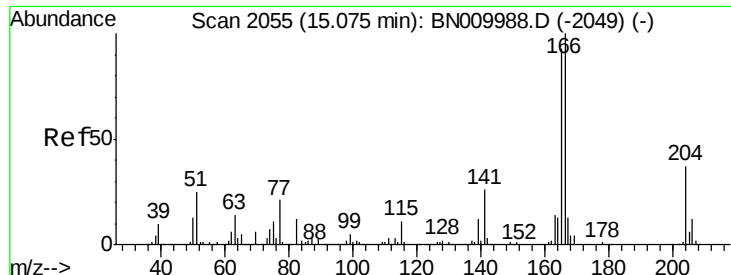
139 38.2 32.7 49.1



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#59

Fluorene

Concen: 23.589 ng/ul

RT: 15.07 min Scan# 2055

Delta R.T. 0.00 min

Lab File: BN010000.D

Acq: 28 Feb 2020 23:44

Instrument :

BNA_N

ClientSampleId :

DBD12

Tot Ion:166 Resp: 404592

Ion Ratio Lower Upper

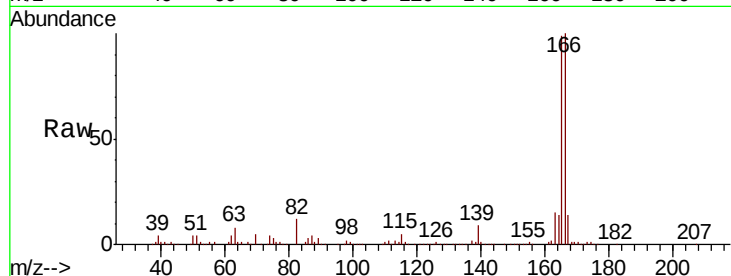
166 100

165 99.3 79.8 119.8

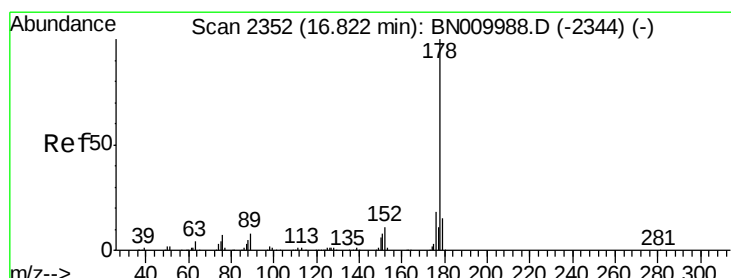
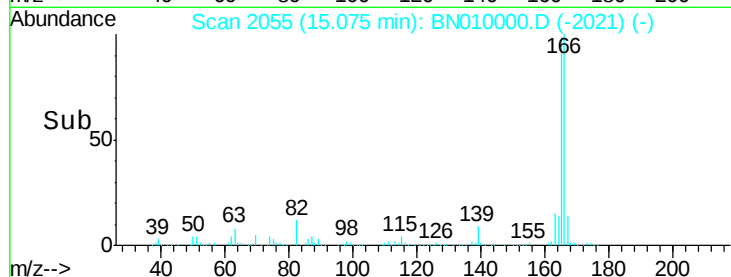
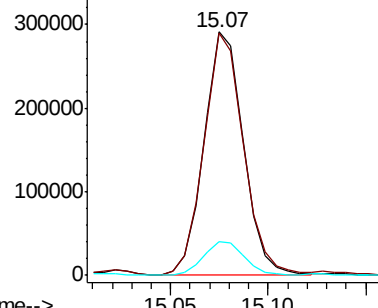
167 13.9 10.7 16.1

Manual Integrations
APPROVED

mohammad
3/3/2020 4:59:16 PM



Abundance Ion 166.00 (165.70 to 166.70): E
400000 Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E



#70

Phenanthrene

Concen: 80.429 ng/ul

RT: 16.82 min Scan# 2352

Delta R.T. 0.00 min

Lab File: BN010000.D

Acq: 28 Feb 2020 23:44

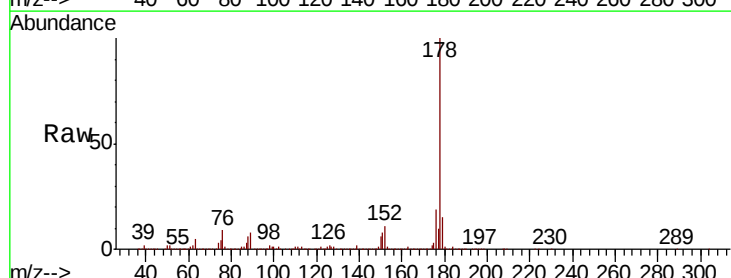
Tgt Ion:178 Resp: 2312675

Ion Ratio Lower Upper

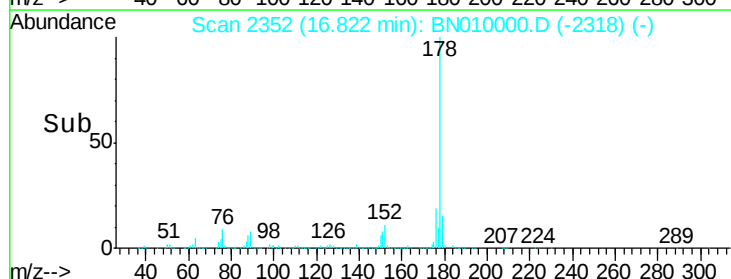
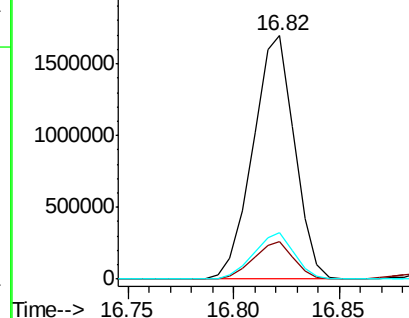
178 100

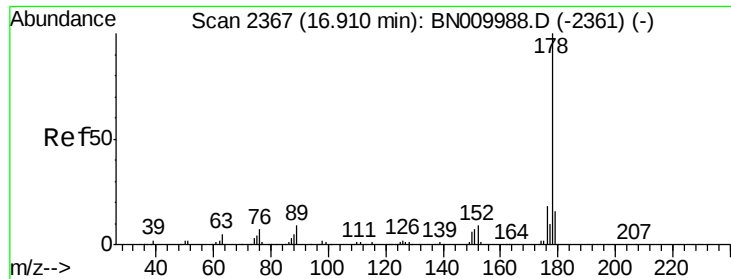
179 15.2 12.5 18.7

176 18.9 14.6 22.0



Abundance Ion 178.00 (177.70 to 178.70): E
2000000 Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E





#72

Anthracene

Concen: 37.139 ng/ul

RT: 16.91 min Scan# 2367

Delta R.T. 0.00 min

Lab File: BN010000.D

Acq: 28 Feb 2020 23:44

Instrument :

BNA_N

ClientSampleId :

DBD12

Tot Ion:178 Resp: 1091682

Ion Ratio Lower Upper

178 100

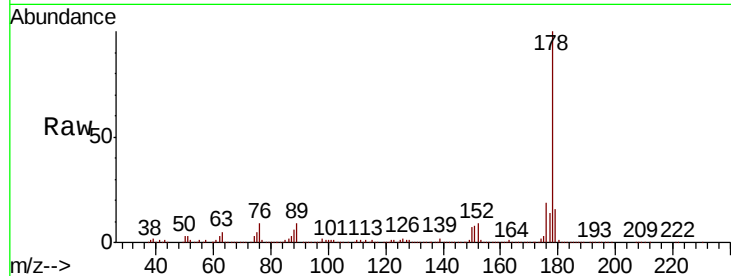
179 15.6 12.2 18.2

176 19.3 14.6 21.8

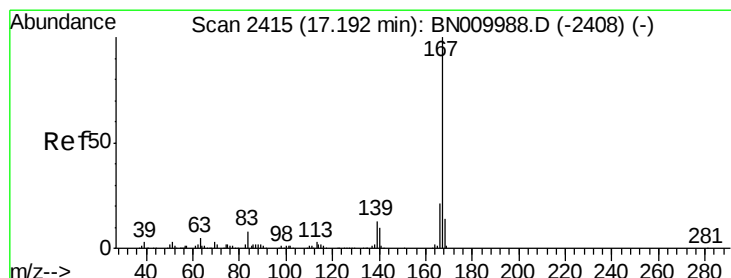
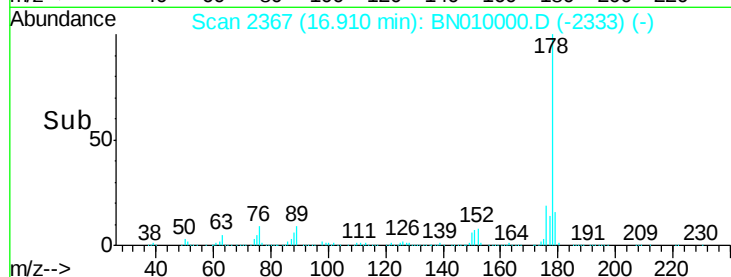
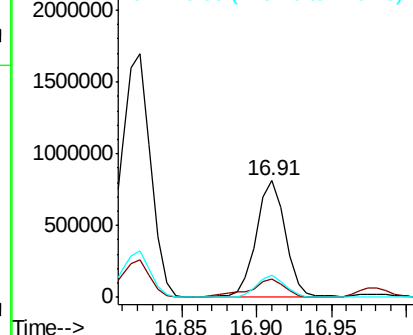
Manual Integrations
APPROVED

mohammad

3/3/2020 4:59:16 PM



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: 8.323 ng/ul

RT: 17.19 min Scan# 2415

Delta R.T. 0.00 min

Lab File: BN010000.D

Acq: 28 Feb 2020 23:44

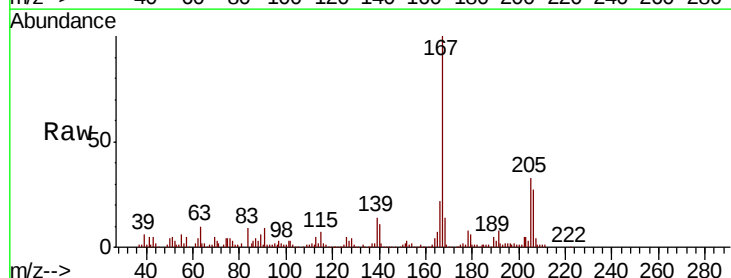
Tgt Ion:167 Resp: 215436

Ion Ratio Lower Upper

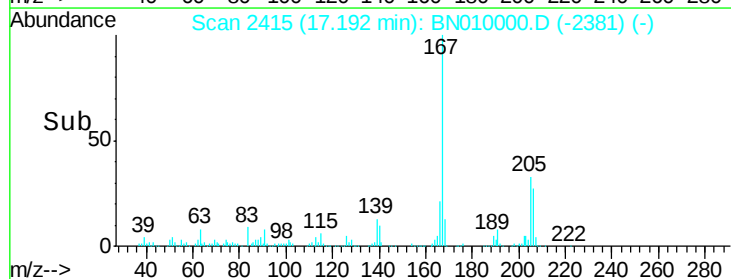
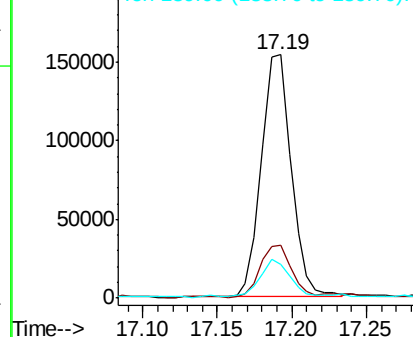
167 100

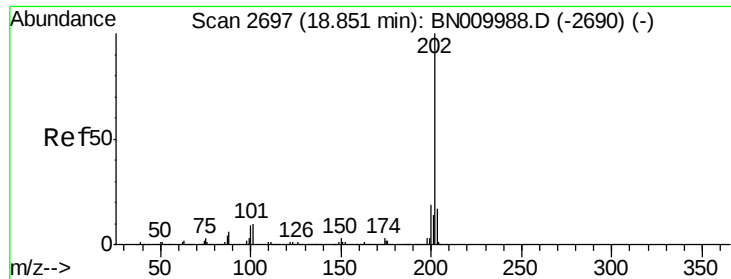
166 22.0 16.6 24.8

139 14.0 9.9 14.9



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





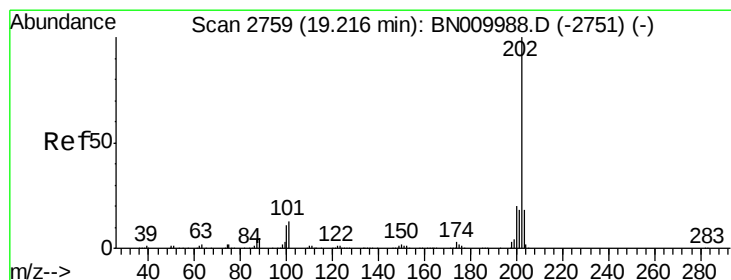
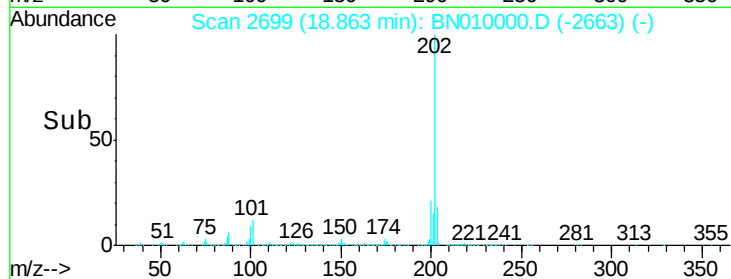
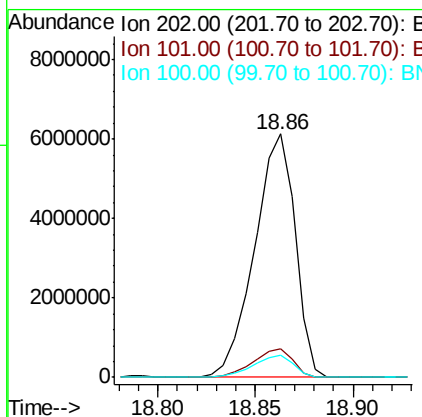
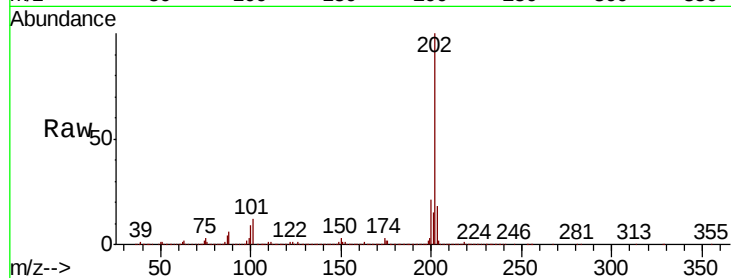
#77
Fluoranthene
 Concen: 261.888 ng/ul
 RT: 18.86 min Scan# 2699
 Delta R.T. 0.01 min
 Lab File: BN010000.D
 Acq: 28 Feb 2020 23:44

Instrument :
 BNA_N
 ClientSampleId :
 DBD12

Tot Ion:202 Resp: 8820777
 Ion Ratio Lower Upper
 202 100
 101 11.9 9.4 14.2
 100 8.9 7.2 10.8

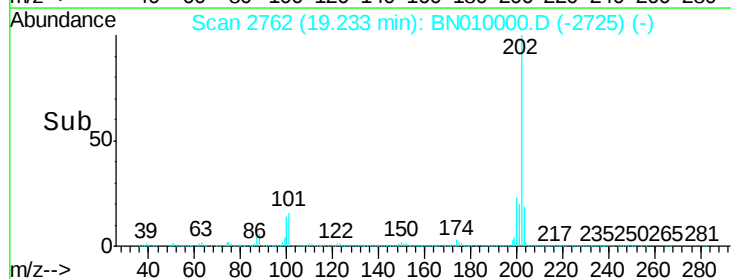
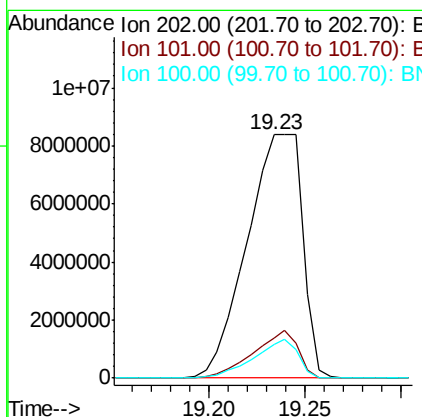
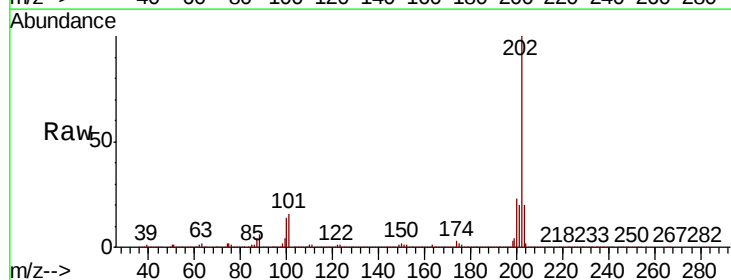
Manual Integrations
 APPROVED

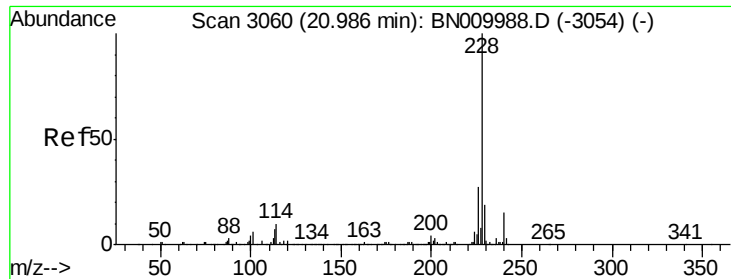
mohammad
 3/3/2020 4:59:16 PM



#80
Pyrene
 Concen: 479.027 ng/ul m
 RT: 19.23 min Scan# 2762
 Delta R.T. 0.02 min
 Lab File: BN010000.D
 Acq: 28 Feb 2020 23:44

Tgt Ion:202 Resp:16866900
 Ion Ratio Lower Upper
 202 100
 101 16.3 11.3 16.9
 100 13.7 9.0 13.6#





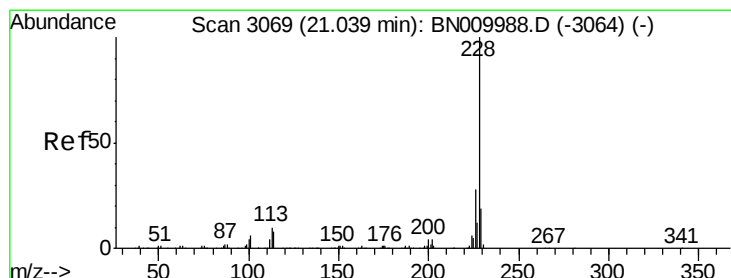
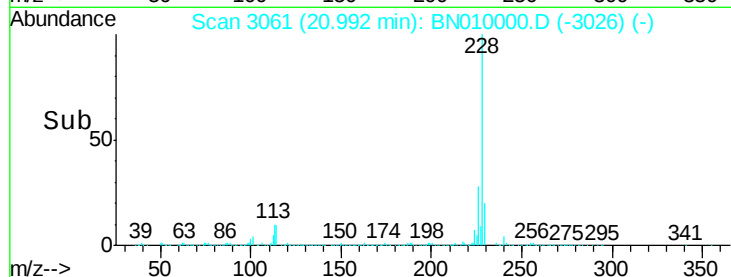
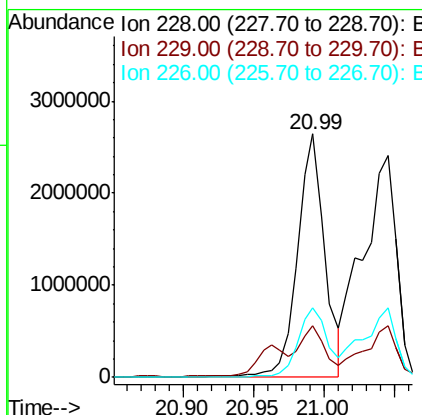
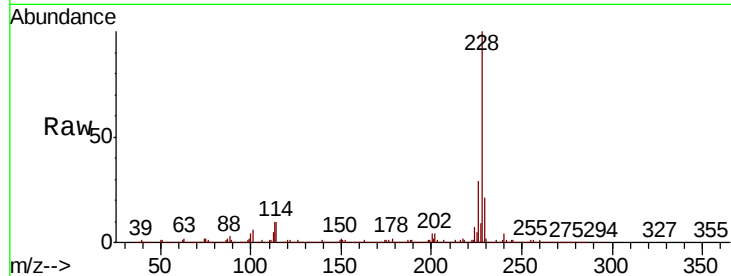
#83
Benzo(a)anthracene
Concen: 104.235 ng/ul
RT: 20.99 min Scan# 3061
Delta R.T. 0.01 min
Lab File: BN010000.D
Acq: 28 Feb 2020 23:44

Instrument :
BNA_N
ClientSampleId :
DBD12

Tot Ion:228 Resp: 3498400
Ion Ratio Lower Upper
228 100
229 21.0 15.0 22.4
226 28.7 21.4 32.2

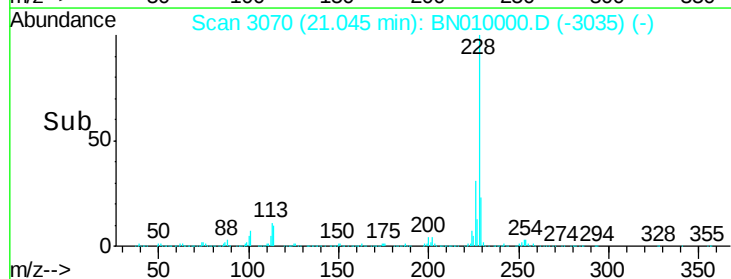
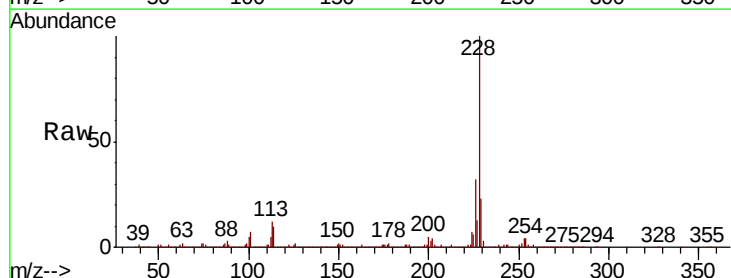
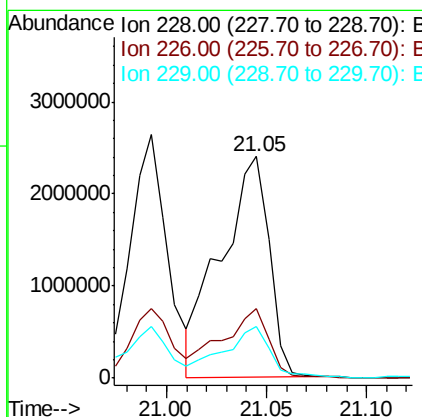
Manual Integrations
APPROVED

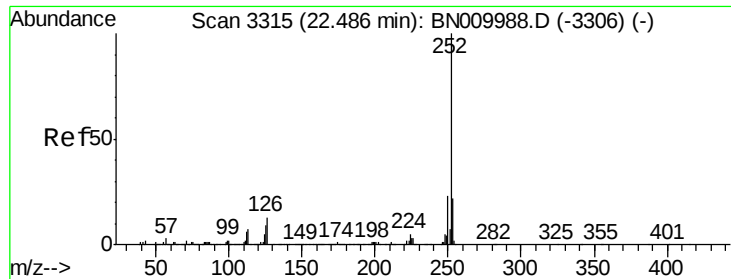
mohammad
3/3/2020 4:59:16 PM



#85
Chrysene
Concen: 121.932 ng/ul m
RT: 21.05 min Scan# 3070
Delta R.T. 0.01 min
Lab File: BN010000.D
Acq: 28 Feb 2020 23:44

Tgt Ion:228 Resp: 4028860
Ion Ratio Lower Upper
228 100
226 31.6 23.4 35.2
229 23.4 15.0 22.4#





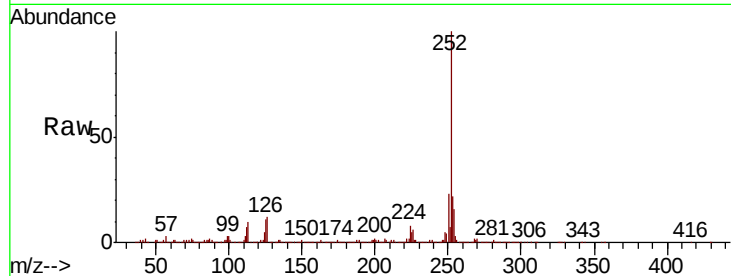
#88
Benzo(b)fluoranthene
Concen: 142.728 ng/ul
RT: 22.50 min Scan# 3318
Delta R.T. 0.02 min
Lab File: BN010000.D
Acq: 28 Feb 2020 23:44

Instrument :
BNA_N
ClientSampled :
DBD12

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.0	25.4
125	10.7	8.0	12.0

Manual Integrations
APPROVED

mohammad
3/3/2020 4:59:16 PM

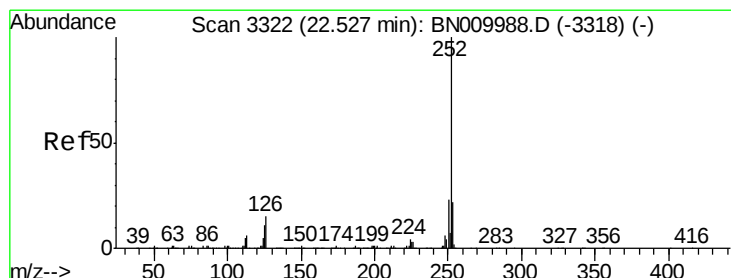
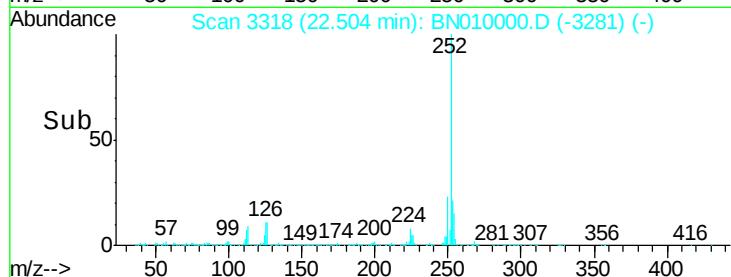
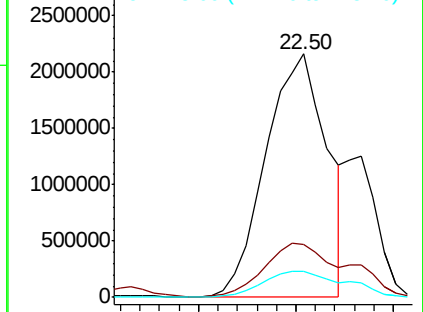


Abundance

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: 44.772 ng/ul m
RT: 22.53 min Scan# 3323
Delta R.T. 0.01 min
Lab File: BN010000.D
Acq: 28 Feb 2020 23:44

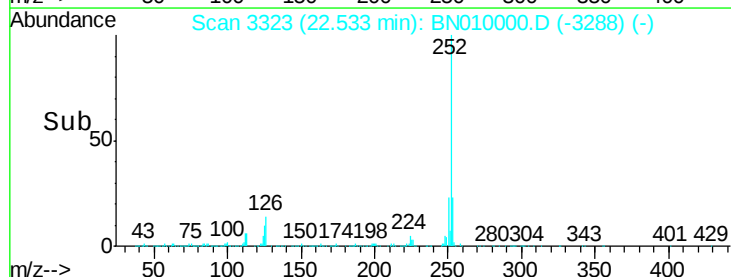
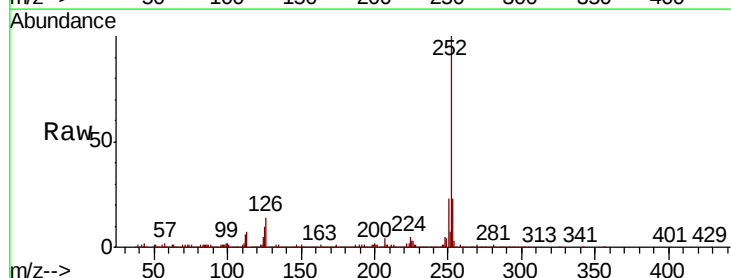
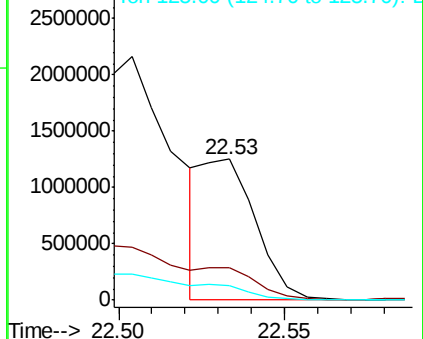
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.0	27.0
125	10.2	8.2	12.2

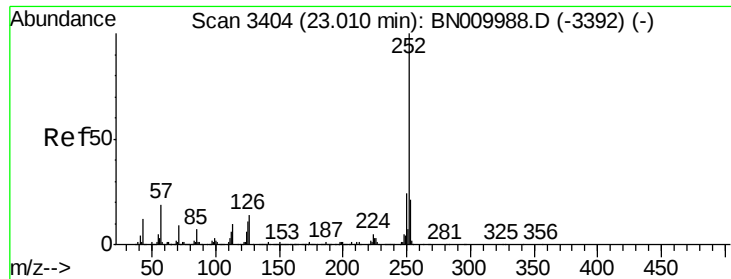
Abundance

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





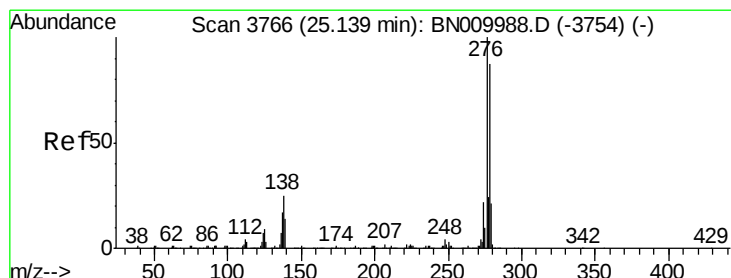
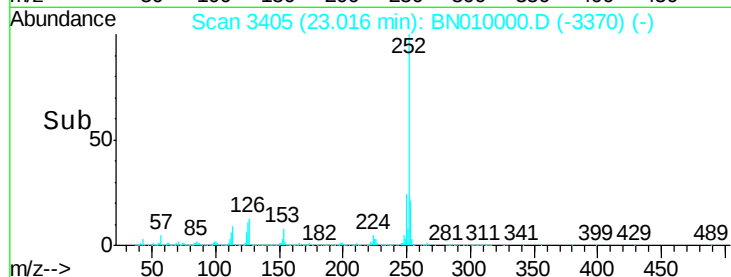
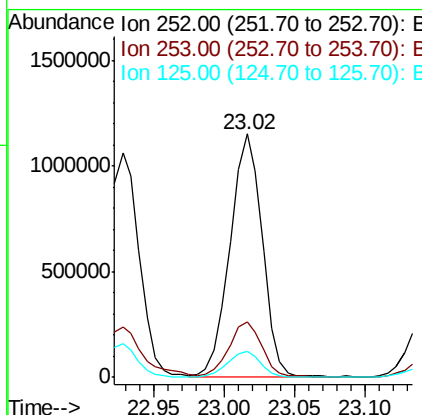
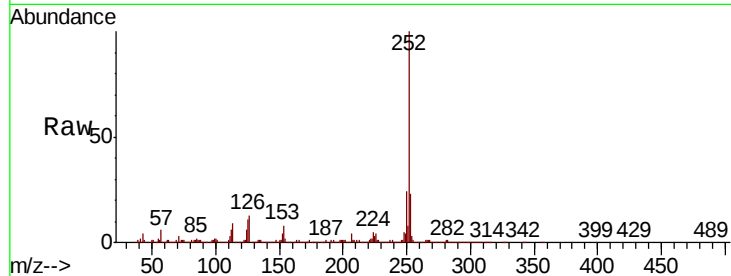
#91
Benzo(a)pyrene
Concen: 61.734 ng/ul
RT: 23.02 min Scan# 3405
Delta R.T. 0.01 min
Lab File: BN010000.D
Acq: 28 Feb 2020 23:44

Instrument :
BNA_N
ClientSampleId :
DBD12

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.4	26.0
125	10.7	9.0	13.6

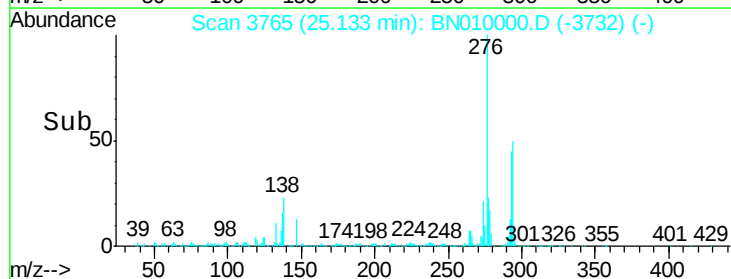
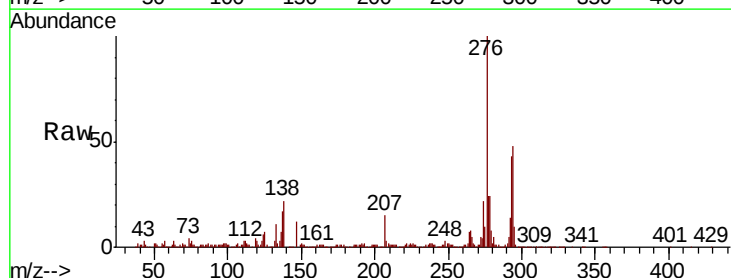
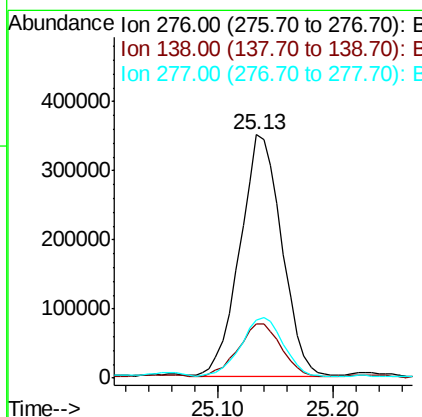
Manual Integrations
APPROVED

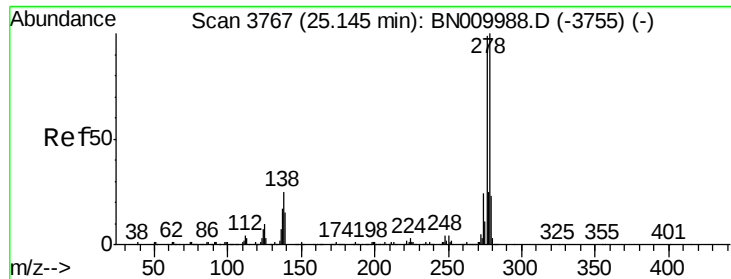
mohammad
3/3/2020 4:59:16 PM



#92
Indeno(1,2,3-cd)pyrene
Concen: 25.273 ng/ul
RT: 25.13 min Scan# 3765
Delta R.T. -0.01 min
Lab File: BN010000.D
Acq: 28 Feb 2020 23:44

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.3	20.9	31.3
277	24.0	18.2	27.4





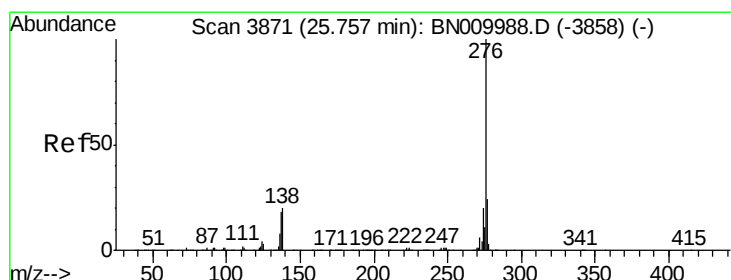
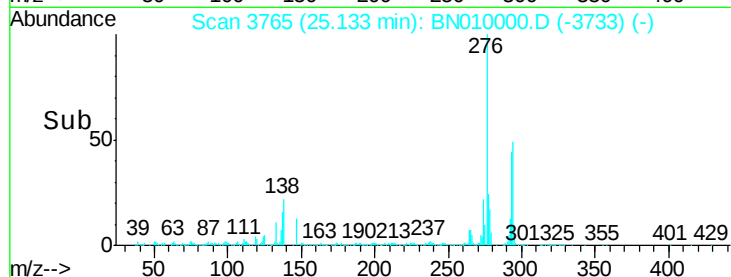
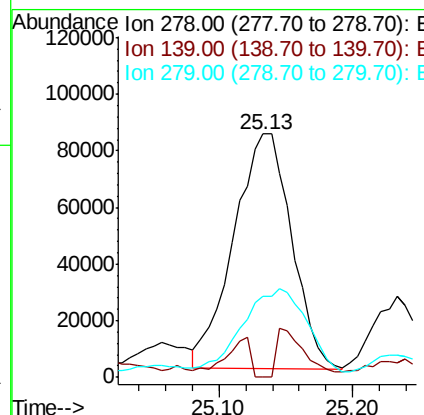
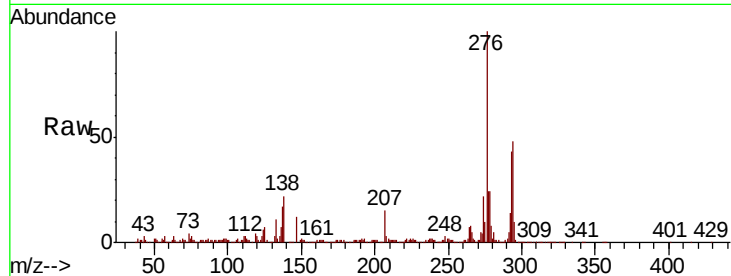
#93
Dibenzo(a,h)anthracene
Concen: 8.329 ng/ul
RT: 25.13 min Scan# 3765
Delta R.T. -0.01 min
Lab File: BN010000.D
Acq: 28 Feb 2020 23:44

Instrument :
BNA_N
ClientSampleId :
DBD12

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	13.0	19.4#
279	33.4	17.5	26.3#

Manual Integrations
APPROVED

mohammad
3/3/2020 4:59:16 PM



#94
Benzo(g,h,i)perylene
Concen: 18.592 ng/ul
RT: 25.76 min Scan# 3871
Delta R.T. 0.00 min
Lab File: BN010000.D
Acq: 28 Feb 2020 23:44

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.7	17.5	26.3
277	23.4	18.1	27.1

