

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN030320\
 Data File : BN010075.D
 Acq On : 03 Mar 2020 23:22
 Operator : CG/JU
 Sample : L1619-04DL 10X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleID :
 DBDT8DL

Manual Integrations
 APPROVED

mohammad
 3/4/2020 7:52:13 AM

Quant Time: Mar 04 02:06:45 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Mar 04 01:30:16 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.37	152	53222	20.00	ng/ul	0.01
18) Naphthalene-d8	10.12	136	177746	20.00	ng/ul	0.01
36) Acenaphthene-d10	14.00	164	141722	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.77	188	328813	20.00	ng/ul	0.00
78) Chrysene-d12	20.99	240	366884	20.00	ng/ul	0.00
86) Perylene-d12	23.07	264	432559	20.00	ng/ul	-0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	6.62	99	3571m	0.79	ng/ul	0.05
7) Bis-(2-Chloroethyl)ether-d	6.75	67	3381m	1.08	ng/ul	0.03
9) 2-Chlorophenol-d4	6.94	132	3205m	0.94	ng/ul	0.04
13) 4-Methylphenol-d8	8.14	113	1701m	0.47	ng/ul	0.06
19) Nitrobenzene-d5	8.56	128	1094m	0.84	ng/ul	0.05
22) 2-Nitrophenol-d4	0.00	143	0d	0.00	ng/ul	
26) 2,4-Dichlorophenol-d3	9.87	165	2411m	0.88	ng/ul	0.12
29) 4-Chloroaniline-d4	0.00	131	0	0.00	ng/ul	
44) Dimethylphthalate-d6	13.46	166	16226	1.53	ng/ul	0.02
47) Acenaphthylene-d8	13.70	160	16062	1.29	ng/ul	0.00
52) 4-Nitrophenol-d4	0.00	143	0	0.00	ng/ul	
58) Fluorene-d10	15.02	176	14393	1.57	ng/ul	0.01
63) 4,6-Dinitro-2-methylphenol	0.00	200	0	0.00	ng/ul	
71) Anthracene-d10	16.86	188	22249	1.48	ng/ul	0.00
79) Pyrene-d10	19.17	212	26782	1.40	ng/ul	0.00
90) Benzo(a)pyrene-d12	22.95	264	35698	1.65	ng/ul	0.00

Target Compounds

					Ovalue	
48) Acenaphthylene	13.73	152	17113	1.268	ng/ul	96
59) Fluorene	15.08	166	16329	1.499	ng/ul	98
70) Phenanthrene	16.81	178	49477	2.637	ng/ul	98
72) Anthracene	16.90	178	615846	32.103	ng/ul	99
75) Carbazole	17.19	167	97853	5.792	ng/ul	97
77) Fluoranthene	18.84	202	81335	3.700	ng/ul	99
80) Pyrene	19.20	202	120388	4.551	ng/ul	95
83) Benzo(a)anthracene	20.97	228	193580	7.678	ng/ul	98
85) Chrysene	21.02	228	152458	6.142	ng/ul	97
88) Benzo(b)fluoranthene	22.47	252	896645	31.971	ng/ul	99
89) Benzo(k)fluoranthene	22.50	252	234453m	8.829	ng/ul	
91) Benzo(a)pyrene	22.99	252	317054	12.569	ng/ul	100
92) Indeno(1,2,3-cd)pyrene	25.11	276	209737	7.003	ng/ul#	91
93) Dibenzo(a,h)anthracene	25.10	278	61685	2.408	ng/ul#	84
94) Benzo(g,h,i)perylene	25.72	276	124907	4.974	ng/ul	99

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

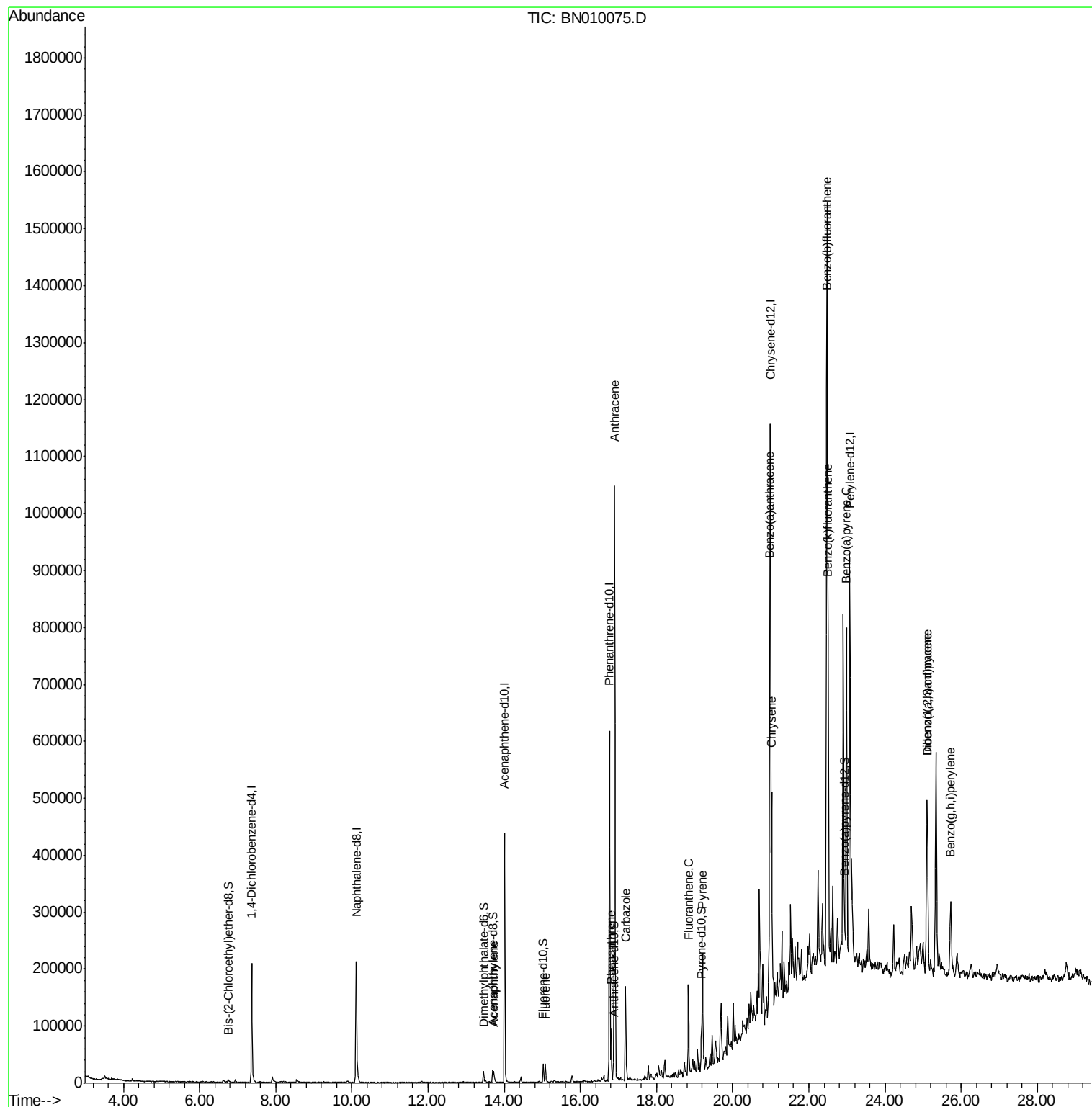
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN030320\
Data File : BN010075.D
Acq On : 03 Mar 2020 23:22
Operator : CG/JU
Sample : L1619-04DL 10X
Misc :
ALS Vial : 19 Sample Multiplier: 1

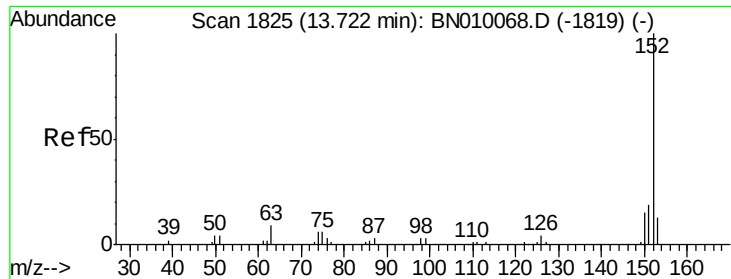
Instrument :
BNA_N
ClientSampleId :
DBDT8DL

Quant Time: Mar 04 02:06:45 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Mar 04 01:30:16 2020
Response via : Initial Calibration

Manual Integrations
APPROVED

mohammad
3/4/2020 7:52:13 AM





#48

Acenaphthylene

Concen: 1.268 ng/ul

RT: 13.73 min Scan# 1826

Delta R.T. 0.01 min

Lab File: BN010075.D

Acq: 03 Mar 2020 23:22

Instrument :

BNA_N

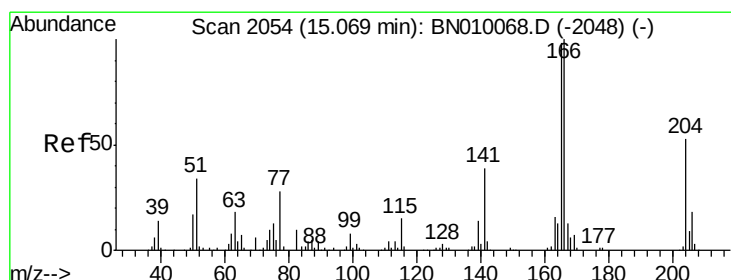
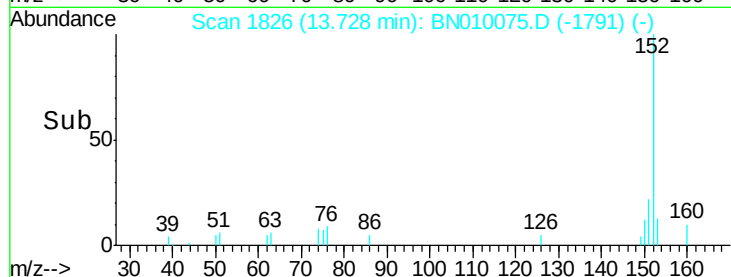
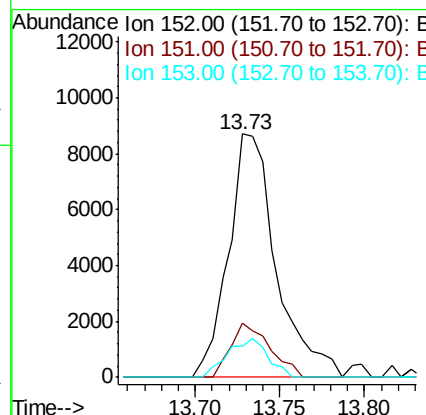
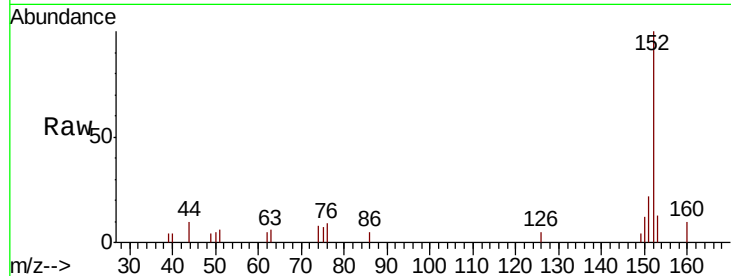
ClientSampleId :

DBDT8DL

Tot Ion:	152	Resp:	17113
Ion Ratio	Lower	Upper	
152	100		
151	22.4	15.7	23.5
153	12.7	10.3	15.5

Manual Integrations
APPROVED

mohammad
3/4/2020 7:52:13 AM



#59

Fluorene

Concen: 1.499 ng/ul

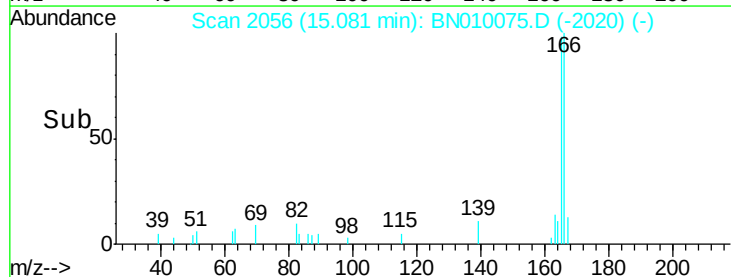
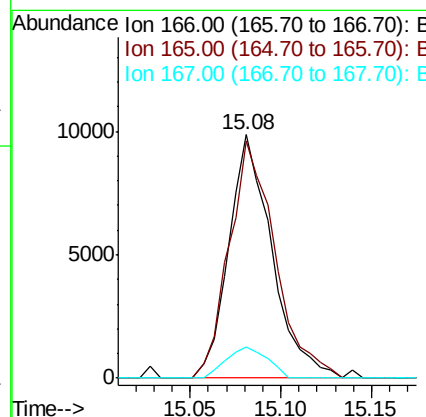
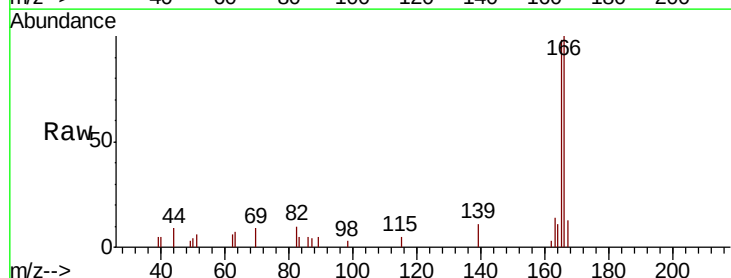
RT: 15.08 min Scan# 2056

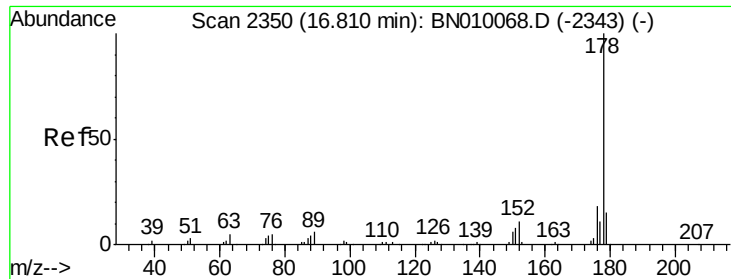
Delta R.T. 0.01 min

Lab File: BN010075.D

Acq: 03 Mar 2020 23:22

Tgt Ion:	166	Resp:	16329
Ion Ratio	Lower	Upper	
166	100		
165	97.6	79.8	119.8
167	12.7	10.7	16.1





#70

Phenanthrene

Concen: 2.637 ng/ul

RT: 16.81 min Scan# 2350

Delta R.T. 0.00 min

Lab File: BN010075.D

Acq: 03 Mar 2020 23:22

Instrument :

BNA_N

ClientSampleId :

DBDT8DL

Tot Ion:178 Resp: 49477

Ion Ratio Lower Upper

178 100

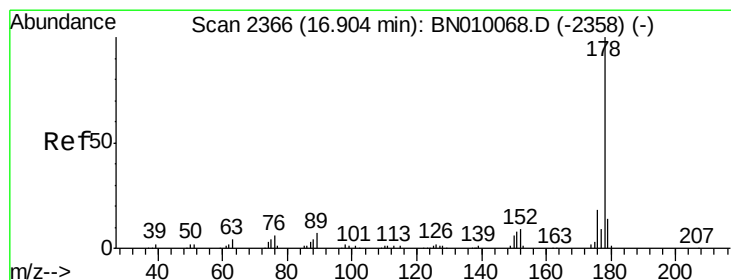
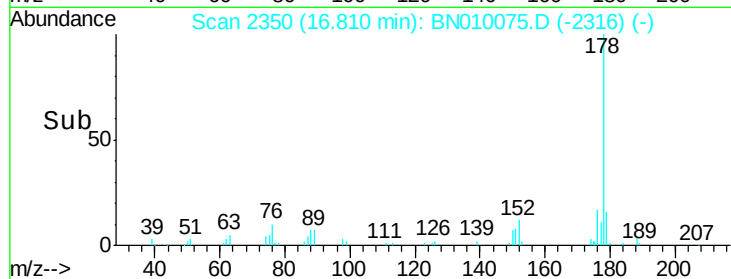
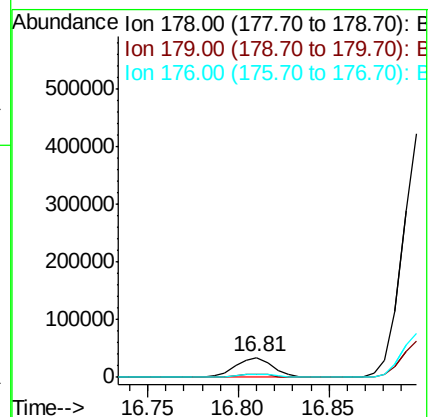
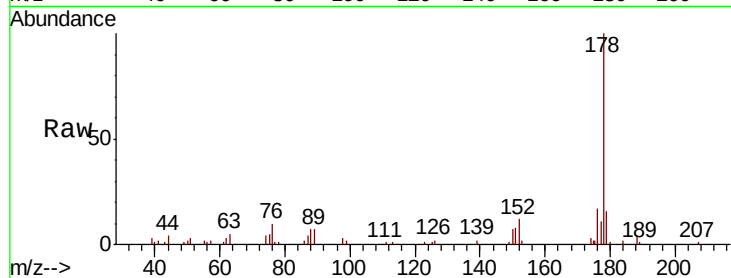
179 15.6 12.5 18.7

176 16.7 14.6 22.0

Manual Integrations
APPROVED

mohammad

3/4/2020 7:52:13 AM



#72

Anthracene

Concen: 32.103 ng/ul

RT: 16.90 min Scan# 2366

Delta R.T. 0.00 min

Lab File: BN010075.D

Acq: 03 Mar 2020 23:22

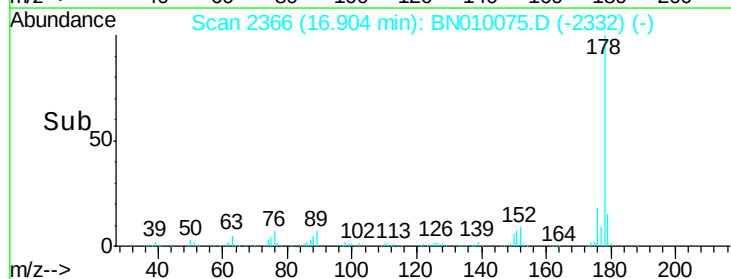
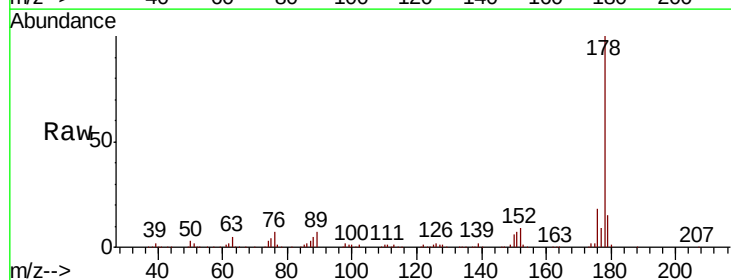
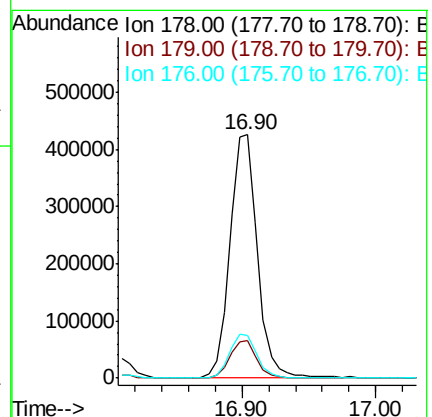
Tgt Ion:178 Resp: 615846

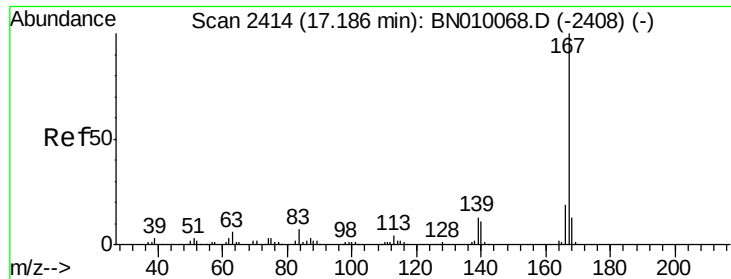
Ion Ratio Lower Upper

178 100

179 15.2 12.2 18.2

176 17.7 14.6 21.8





#75

Carbazole

Concen: 5.792 ng/ul

RT: 17.19 min Scan# 2414

Delta R.T. 0.00 min

Lab File: BN010075.D

Acq: 03 Mar 2020 23:22

Instrument :

BNA_N

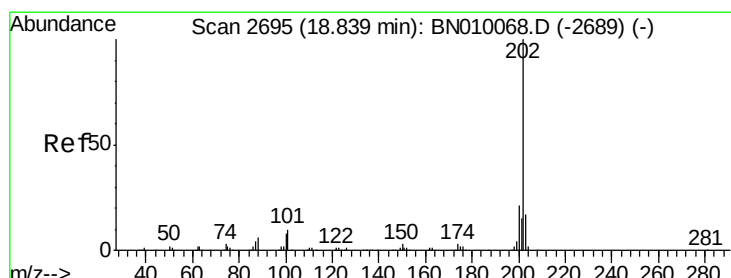
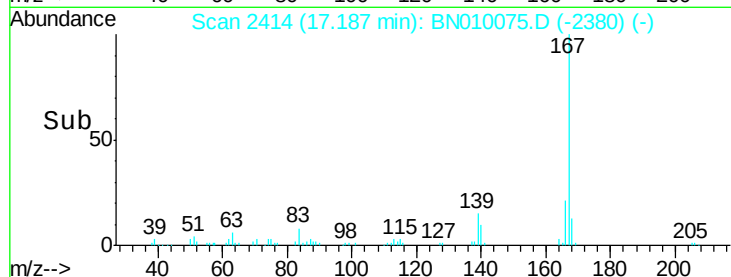
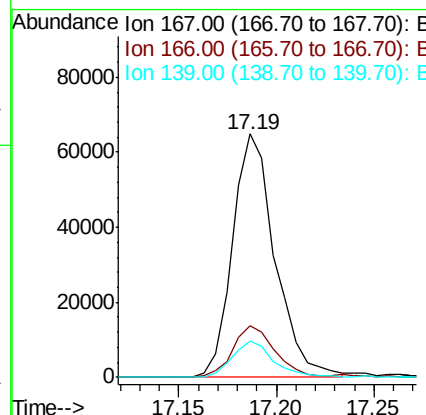
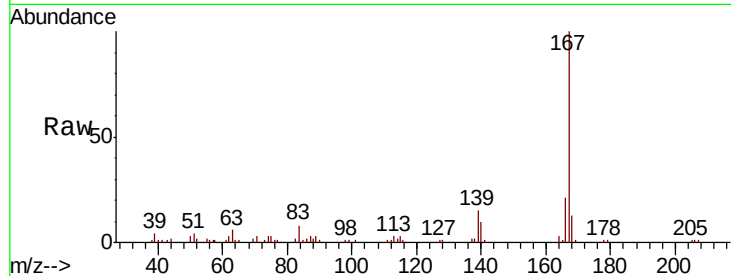
ClientSampleId :

DBDT8DL

Tot Ion:	167	Resp:	97853
Ion Ratio	Lower	Upper	
167	100		
166	21.1	16.6	24.8
139	14.7	9.9	14.9

Manual Integrations
APPROVED

mohammad
3/4/2020 7:52:13 AM



#77

Fluoranthene

Concen: 3.700 ng/ul

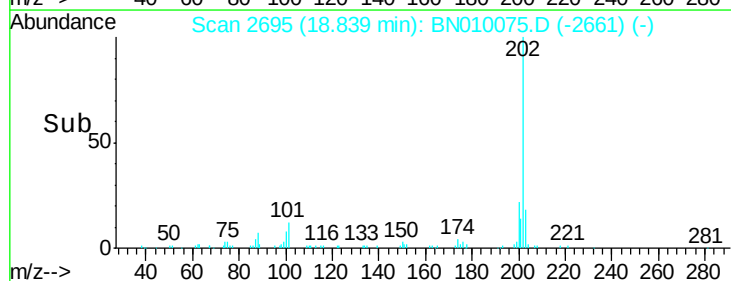
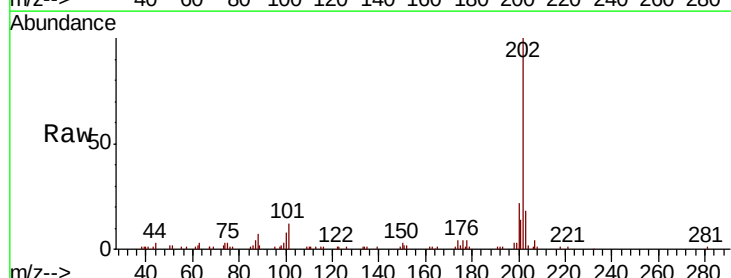
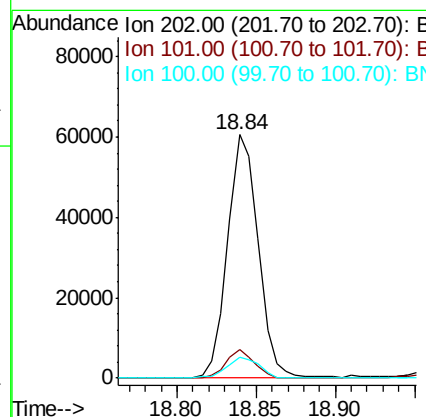
RT: 18.84 min Scan# 2695

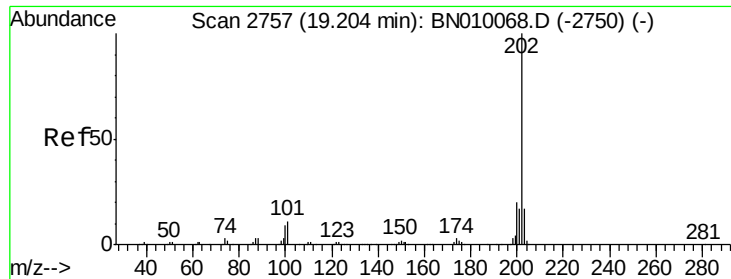
Delta R.T. 0.00 min

Lab File: BN010075.D

Acq: 03 Mar 2020 23:22

Tgt Ion:	202	Resp:	81335
Ion Ratio	Lower	Upper	
202	100		
101	11.9	9.4	14.2
100	8.5	7.2	10.8





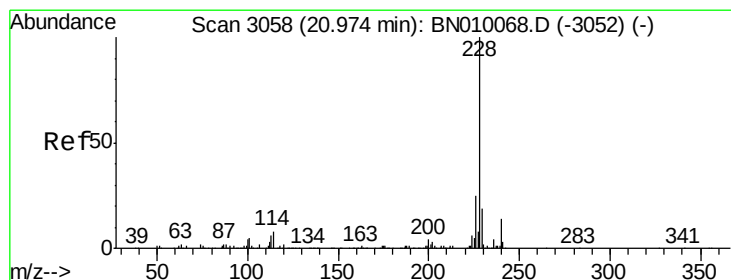
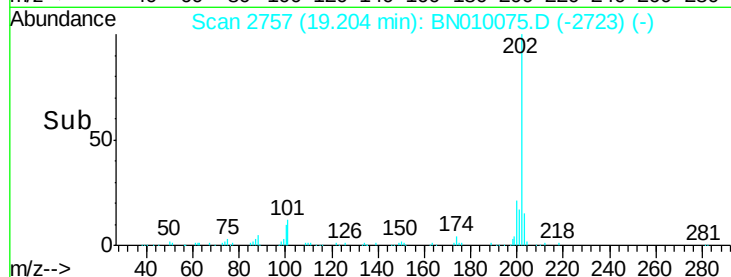
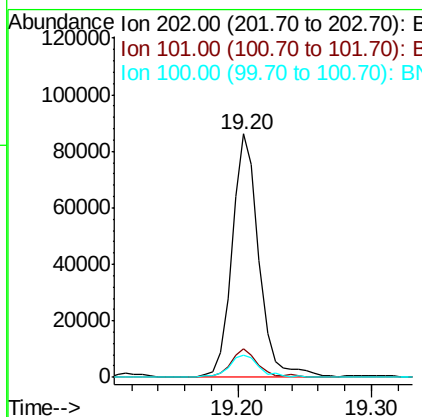
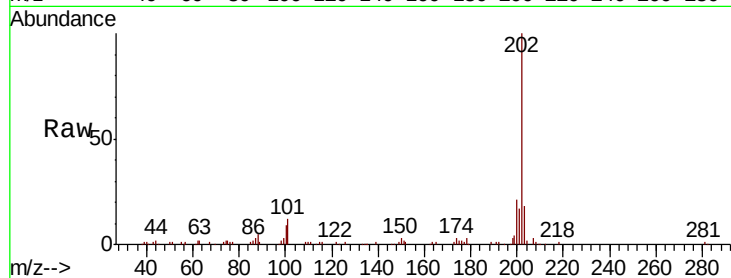
#80
Pvrene
Concen: 4.551 ng/ul
RT: 19.20 min Scan# 2757
Delta R.T. 0.00 min
Lab File: BN010075.D
Acq: 03 Mar 2020 23:22

Instrument :
BNA_N
ClientSampled :
DBDT8DL

Tot Ion:	202	Resp:	120388
Ion Ratio	Lower	Upper	
202	100		
101	11.9	11.3	16.9
100	9.2	9.0	13.6

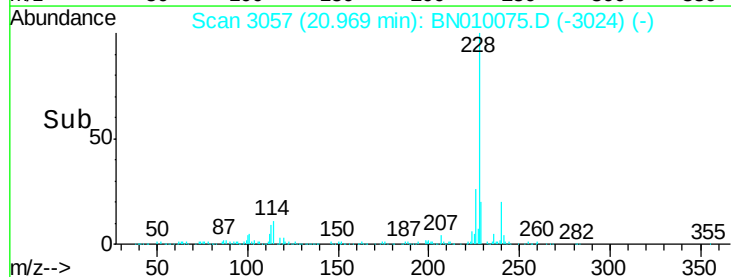
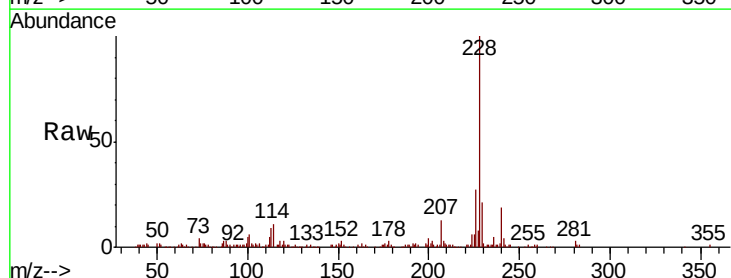
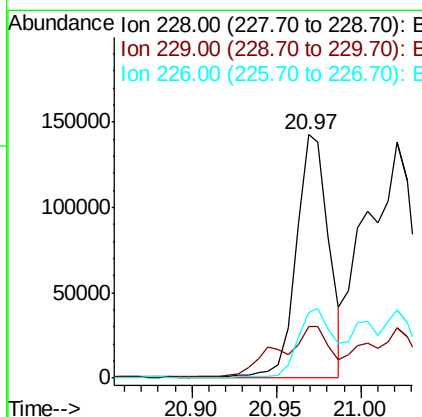
Manual Integrations
APPROVED

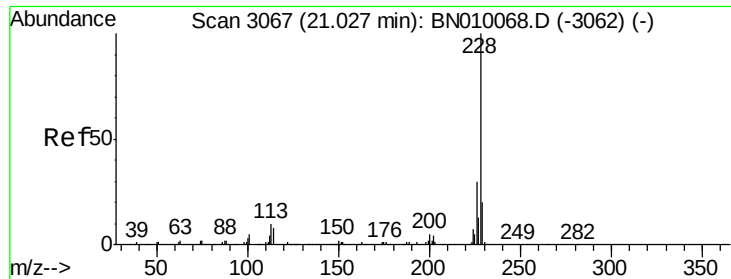
mohammad
3/4/2020 7:52:13 AM



#83
Benzo(a)anthracene
Concen: 7.678 ng/ul
RT: 20.97 min Scan# 3057
Delta R.T. -0.01 min
Lab File: BN010075.D
Acq: 03 Mar 2020 23:22

Tgt Ion:	228	Resp:	193580
Ion Ratio	Lower	Upper	
228	100		
229	21.3	15.0	22.4
226	26.8	21.4	32.2





#85

Chrysene

Concen: 6.142 ng/ul

RT: 21.02 min Scan# 3066

Delta R.T. -0.01 min

Lab File: BN010075.D

Acq: 03 Mar 2020 23:22

Instrument :

BNA_N

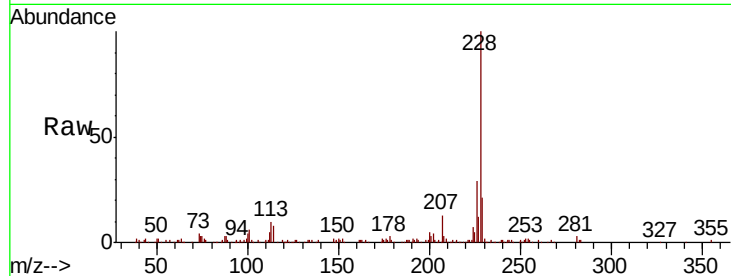
ClientSampleId :

DBDT8DL

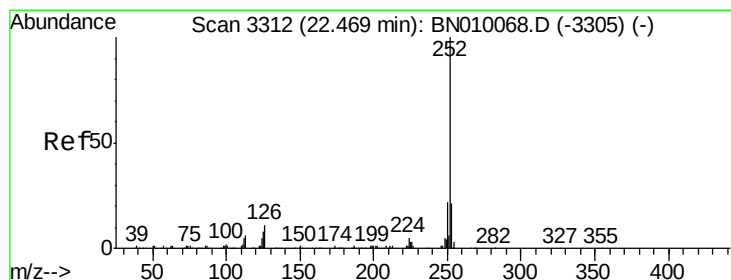
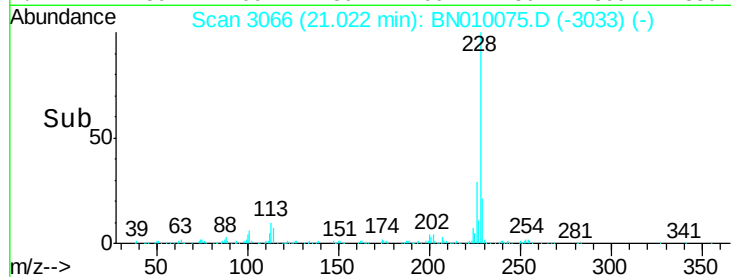
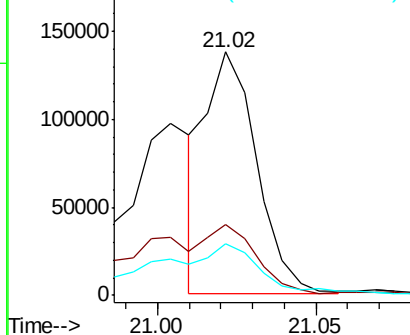
Tot Ion:	228	Resp:	152458
Ion	Ratio	Lower	Upper
228	100		
226	29.1	23.4	35.2
229	21.4	15.0	22.4

Manual Integrations
APPROVED

mohammad
3/4/2020 7:52:13 AM



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: 31.971 ng/ul

RT: 22.47 min Scan# 3312

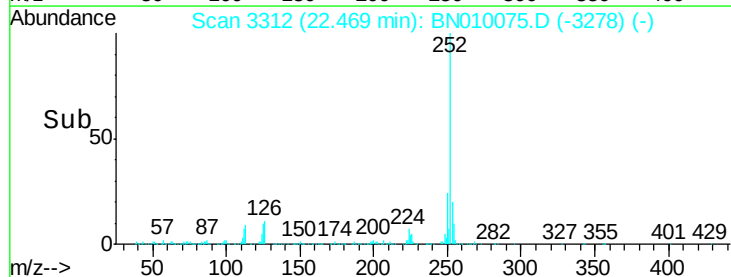
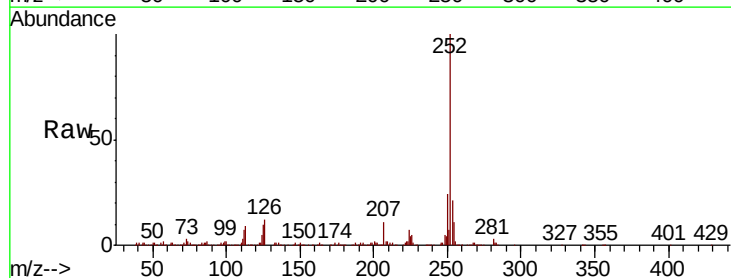
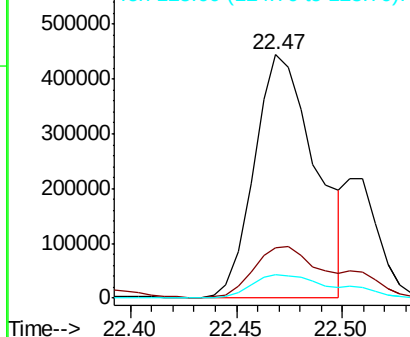
Delta R.T. 0.00 min

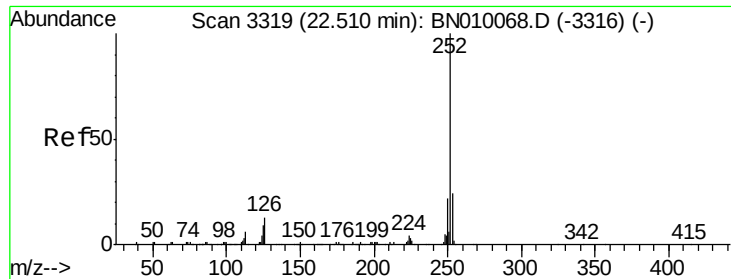
Lab File: BN010075.D

Acq: 03 Mar 2020 23:22

Tgt Ion:	252	Resp:	896645
Ion	Ratio	Lower	Upper
252	100		
253	20.9	17.0	25.4
125	9.7	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





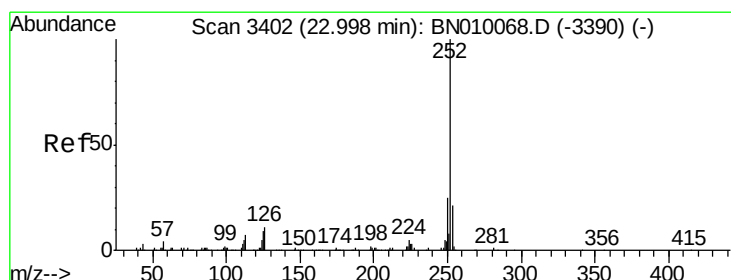
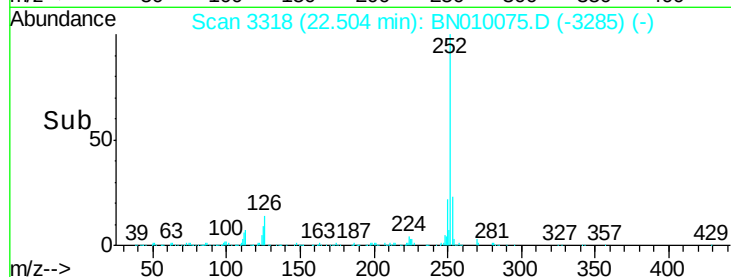
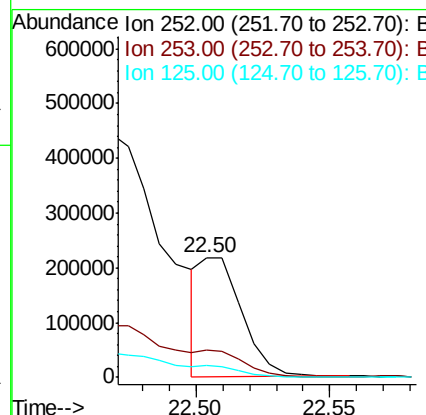
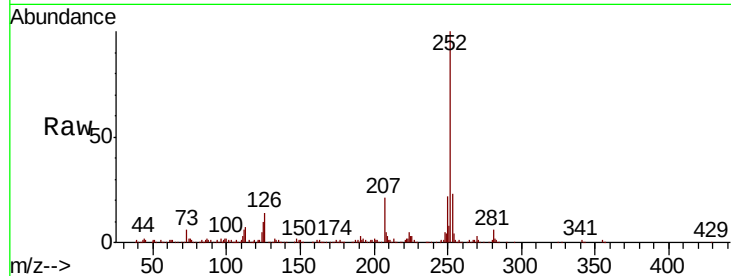
#89
Benzo(k)fluoranthene
Concen: 8.829 ng/ul m
RT: 22.50 min Scan# 3318
Delta R.T. -0.01 min
Lab File: BN010075.D
Acq: 03 Mar 2020 23:22

Instrument :
BNA_N
ClientSampled :
DBDT8DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.0	27.0
125	9.6	8.2	12.2

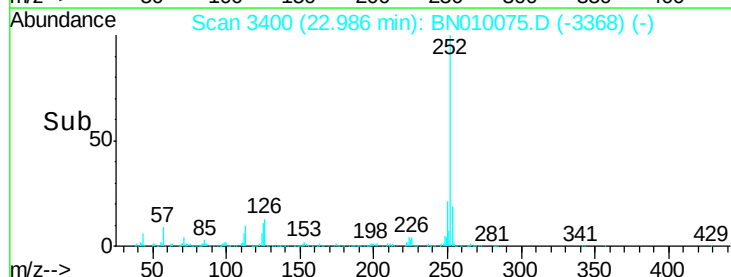
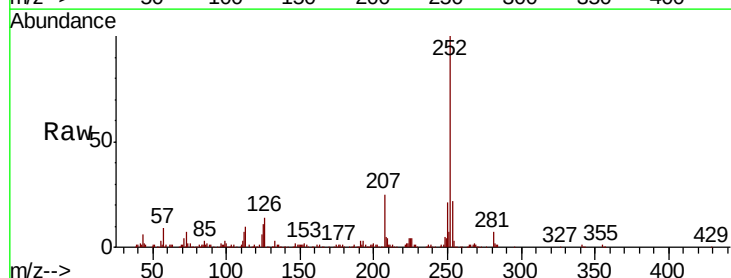
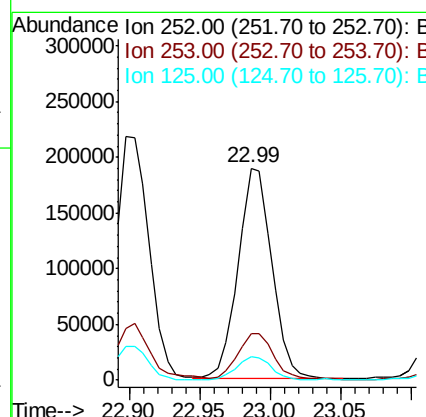
Manual Integrations
APPROVED

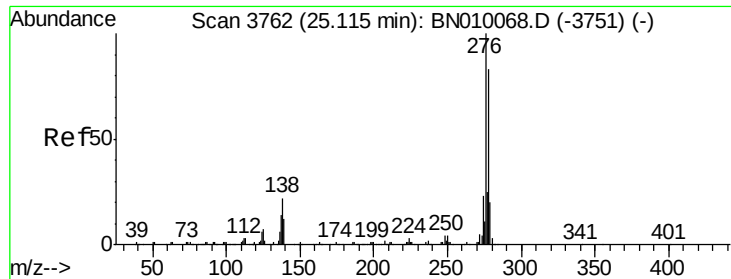
mohammad
3/4/2020 7:52:13 AM



#91
Benzo(a)pyrene
Concen: 12.569 ng/ul
RT: 22.99 min Scan# 3400
Delta R.T. -0.01 min
Lab File: BN010075.D
Acq: 03 Mar 2020 23:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.4	26.0
125	11.3	9.0	13.6





#92

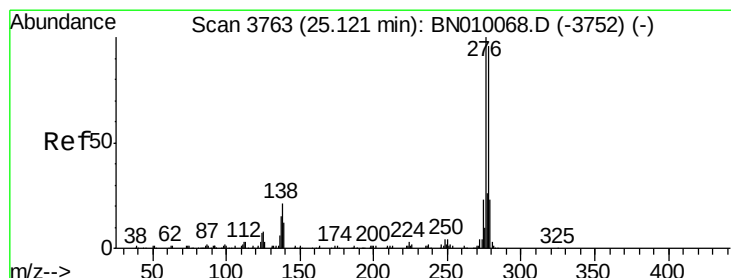
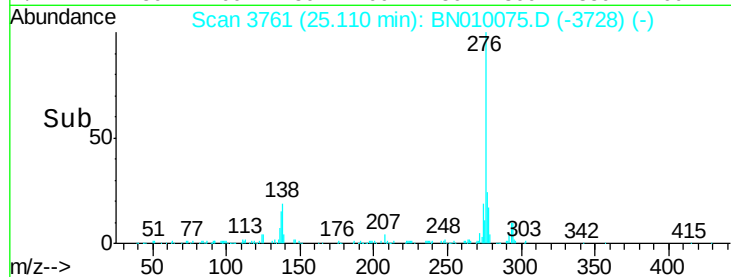
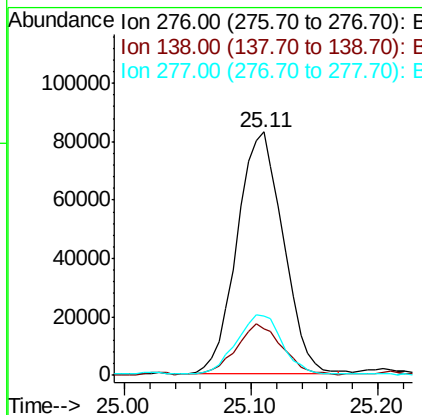
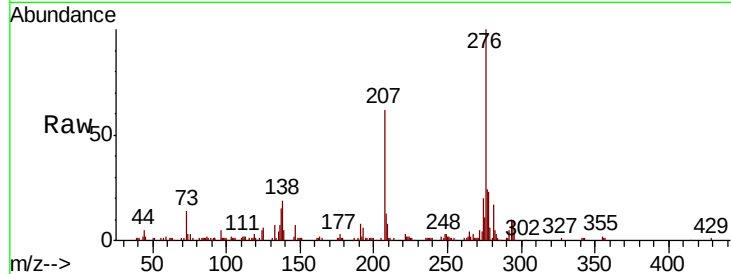
Indeno(1,2,3-cd)pyrene
Concen: 7.003 ng/ul
RT: 25.11 min Scan# 3761
Delta R.T. -0.01 min
Lab File: BN010075.D
Acq: 03 Mar 2020 23:22

Instrument :
BNA_N
ClientSampleId :
DBDT8DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	19.2	20.9	31.3#
277	24.5	18.2	27.4

Manual Integrations
APPROVED

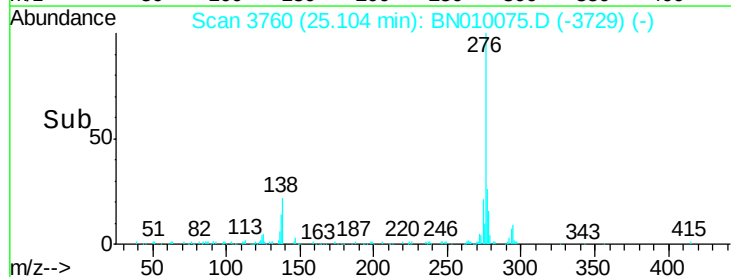
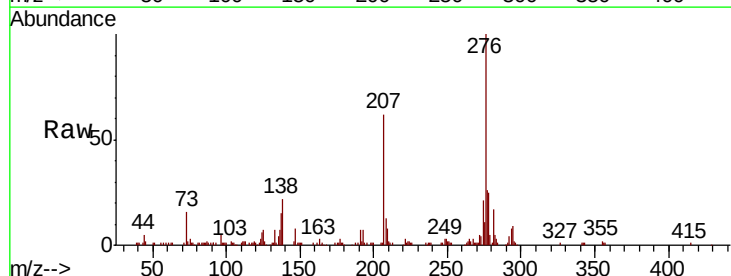
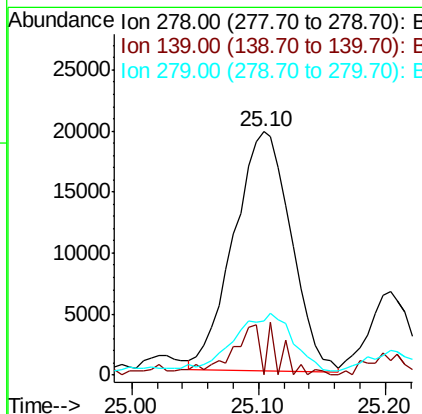
mohammad
3/4/2020 7:52:13 AM

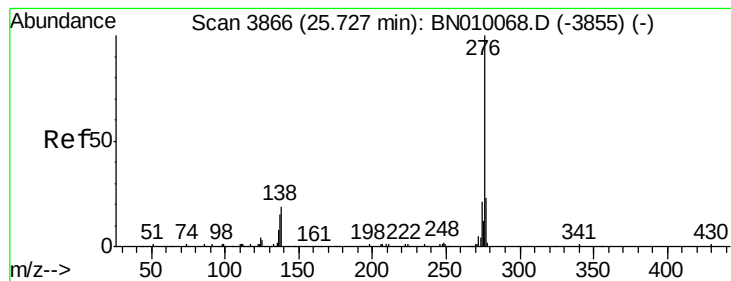


#93

Dibenzo(a,h)anthracene
Concen: 2.408 ng/ul
RT: 25.10 min Scan# 3760
Delta R.T. -0.02 min
Lab File: BN010075.D
Acq: 03 Mar 2020 23:22

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	13.0	19.4#
279	22.0	17.5	26.3





#94

Benzo(a,h,i)perylene

Concen: 4.974 ng/ul

RT: 25.72 min Scan# 3865

Delta R.T. -0.01 min

Lab File: BN010075.D

Acq: 03 Mar 2020 23:22

Instrument :

BNA_N

ClientSampleId :

DBDT8DL

Tot Ion:	276	Resp:	124907
Ion Ratio		Lower	Upper
276	100		
138	21.5	17.5	26.3
277	23.3	18.1	27.1

Manual Integrations
APPROVED

mohammad
3/4/2020 7:52:13 AM

