

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050719\
 Data File : BN005511.D
 Acq On : 07 May 2019 06:14
 Operator : JU/SJ
 Sample : K2403-21
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A5134

Manual Integrations
 APPROVED

mohammad
 5/8/2019 12:01:26 AM

Quant Time: May 07 08:07:52 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN050719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 07 07:04:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	2097	0.40	ng/ul	-0.01
2) Naphthalene-d8	10.35	136	8508	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.23	164	5550	0.40	ng/ul	-0.02
10) Phenanthrene-d10	16.98	188	13423m	0.40	ng/ul	-0.02
16) Chrysene-d12	21.22	240	13635m	0.40	ng/ul	0.00
20) Perylene-d12	23.43	264	12119m	0.40	ng/ul	-0.01
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.97	152	3428	0.26	ng/ul	-0.02
14) Fluoranthene-d10	19.03	212	10200m	0.24	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.40	128	1722	0.076	ng/ul#	92
5) 2-Methylnaphthalene	12.05	142	1318	0.086	ng/ul	94
7) Acenaphthylene	13.94	152	2350	0.084	ng/ul	95
9) Fluorene	15.28	166	3262	0.141	ng/ul	98
12) Phenanthrene	17.02	178	30014	0.821	ng/ul	99
13) Anthracene	17.11	178	2592m	0.071	ng/ul	
15) Fluoranthene	19.06	202	30652m	0.606	ng/ul	
17) Pyrene	19.42	202	28756m	0.571	ng/ul	
18) Benzo(a)anthracene	21.20	228	11393	0.242	ng/ul	96
19) Chrysene	21.26	228	18427	0.319	ng/ul	97
21) Benzo(b)fluoranthene	22.77	252	25151m	0.690	ng/ul	
22) Benzo(k)fluoranthene	22.81	252	8769m	0.192	ng/ul	
23) Benzo(a)pyrene	23.33	252	14498m	0.356	ng/ul	
24) Indeno(1,2,3-cd)pyrene	25.63	276	10841m	0.238	ng/ul	
25) Dibenzo(a,h)anthracene	25.63	278	2296m	0.061	ng/ul	
26) Benzo(a,h,i)perylene	26.30	276	8282m	0.213	ng/ul	

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

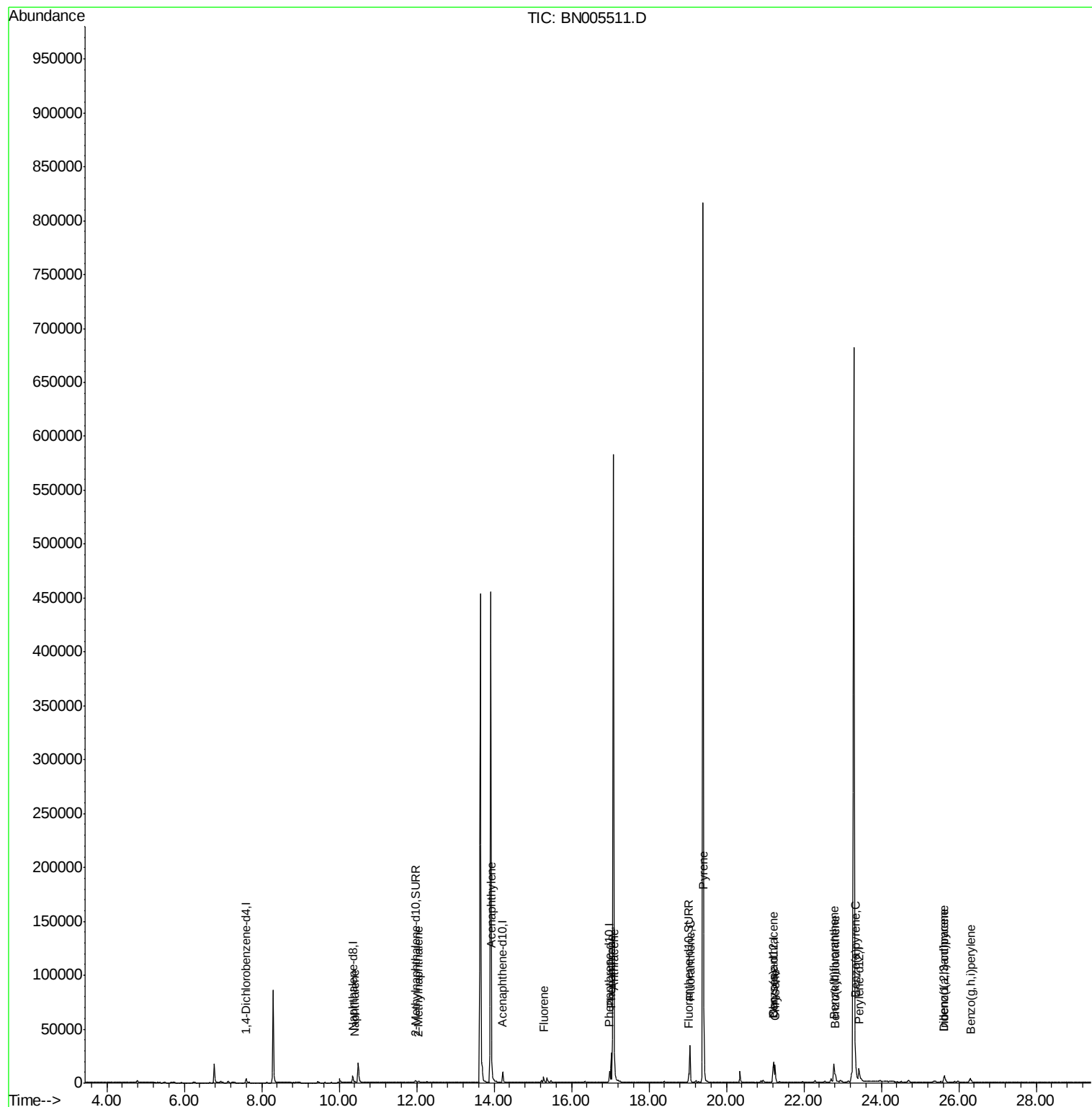
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050719\
Data File : BN005511.D
Acq On : 07 May 2019 06:14
Operator : JU/SJ
Sample : K2403-21
Misc :
ALS Vial : 23 Sample Multiplier: 1

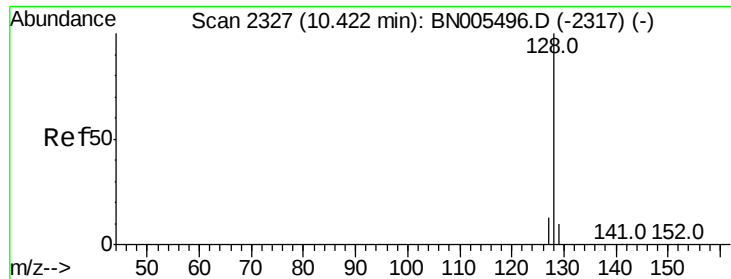
Instrument :
BNA_N
ClientSampleId :
A5134

Manual Integrations
APPROVED

mohammad
5/8/2019 12:01:26 AM

Quant Time: May 07 08:07:52 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN050719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 07 07:04:57 2019
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.076 ng/ul

RT: 10.40 min Scan# 2323

Delta R.T. -0.02 min

Lab File: BN005511.D

Acq: 07 May 2019 06:14

Instrument :

BNA_N

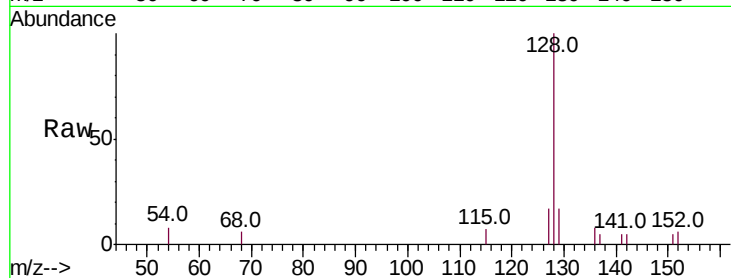
ClientSampled :

A5134

Tot Ion:	128	Resp:	1722
Ion	Ratio	Lower	Upper
128	100		
129	16.9	10.2	15.2#
127	17.3	11.8	17.8

Manual Integrations
APPROVED

mohammad
5/8/2019 12:01:26 AM

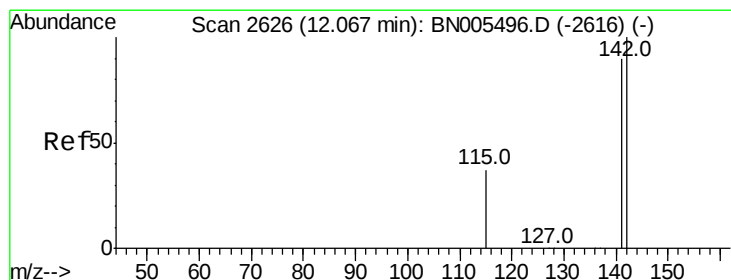
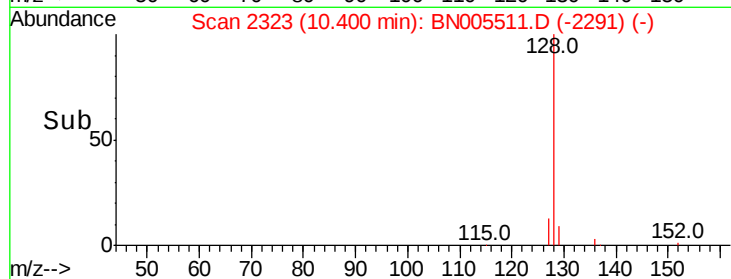
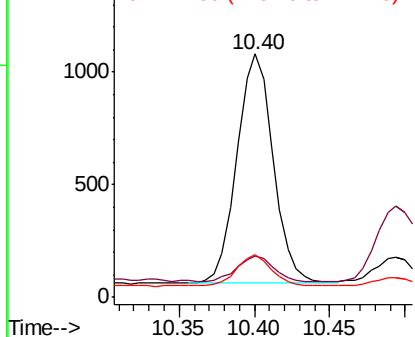


Abundance

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



#5

2-Methylnaphthalene

Concen: 0.086 ng/ul

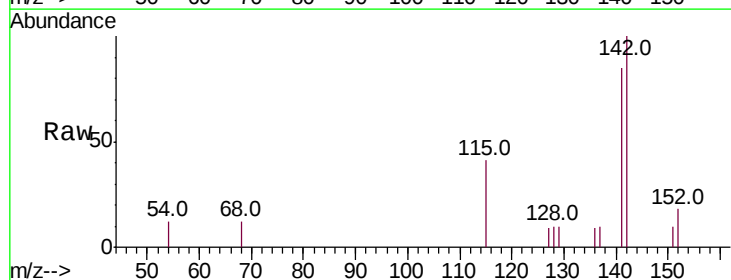
RT: 12.05 min Scan# 2623

Delta R.T. -0.02 min

Lab File: BN005511.D

Acq: 07 May 2019 06:14

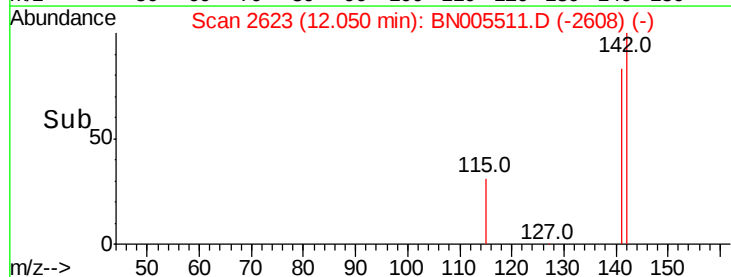
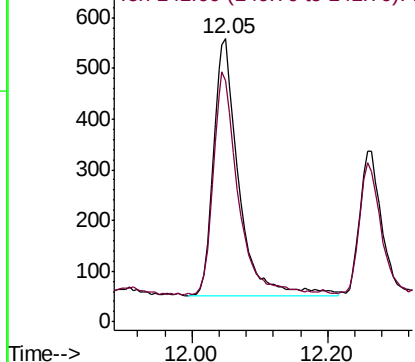
Tgt Ion:	142	Resp:	1318
Ion	Ratio	Lower	Upper
142	100		
141	84.5	72.2	108.2

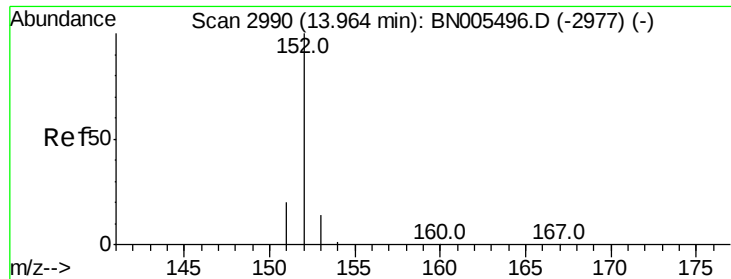


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.084 ng/ul

RT: 13.94 min Scan# 2985

Delta R.T. -0.02 min

Lab File: BN005511.D

Acq: 07 May 2019 06:14

Instrument :

BNA_N

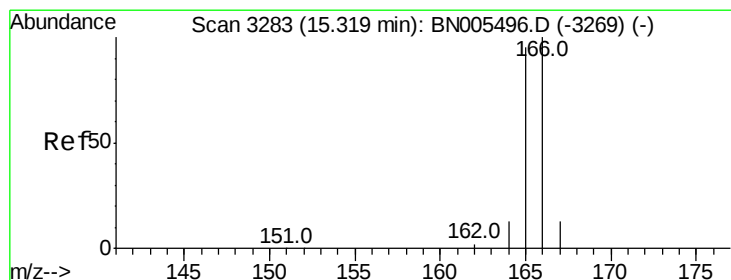
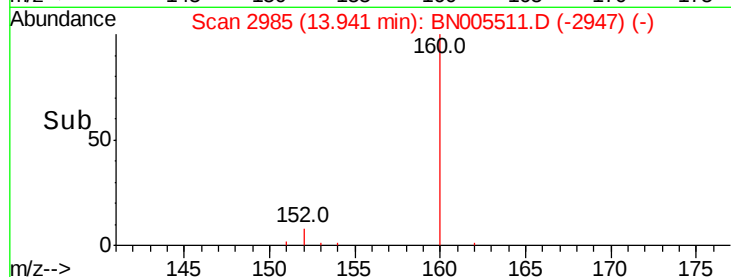
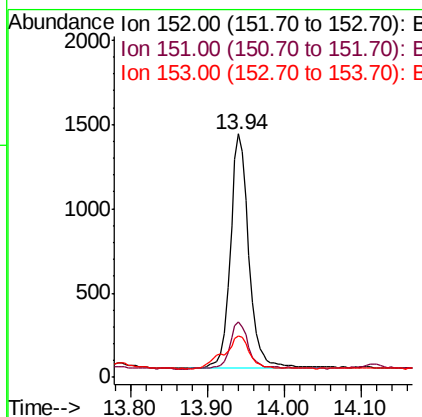
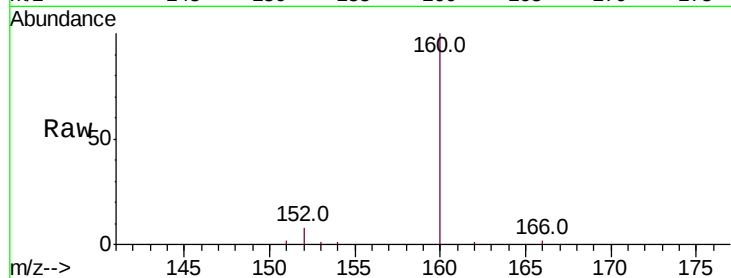
ClientSampleId :

A5134

Tot Ion:	152	Resp:	2350
Ion Ratio	Lower	Upper	
152	100		
151	22.7	16.7	25.1
153	17.2	11.6	17.4

Manual Integrations
APPROVED

mohammad
5/8/2019 12:01:26 AM



#9

Fluorene

Concen: 0.141 ng/ul

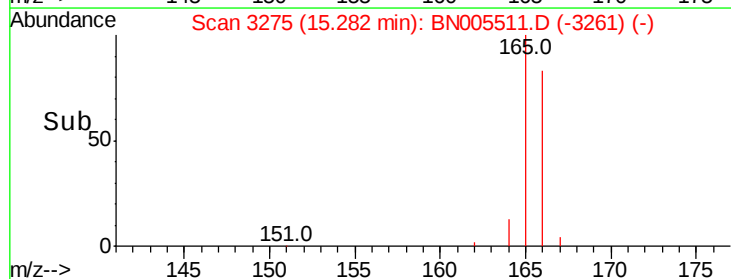
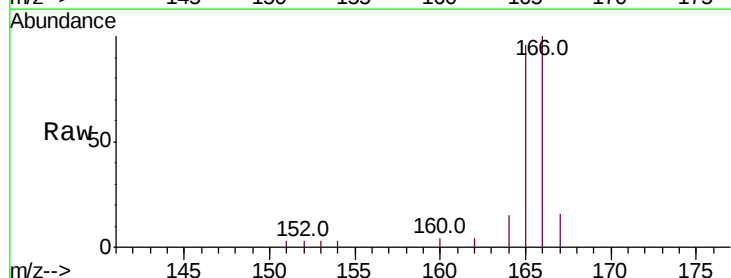
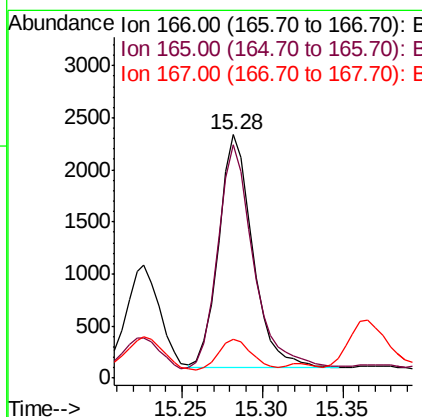
RT: 15.28 min Scan# 3275

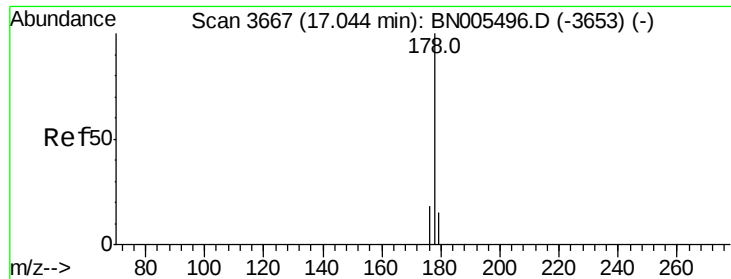
Delta R.T. -0.04 min

Lab File: BN005511.D

Acq: 07 May 2019 06:14

Tgt Ion:	166	Resp:	3262
Ion Ratio	Lower	Upper	
166	100		
165	95.6	78.0	117.0
167	15.7	12.2	18.4





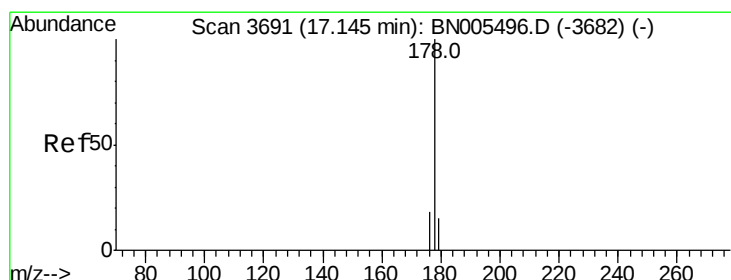
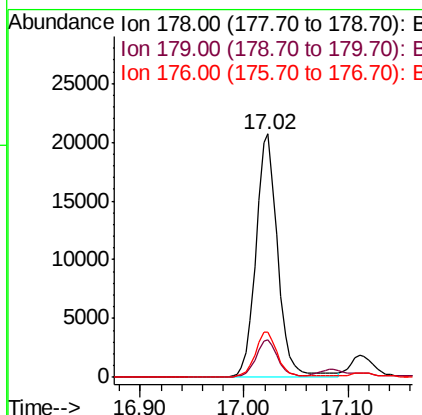
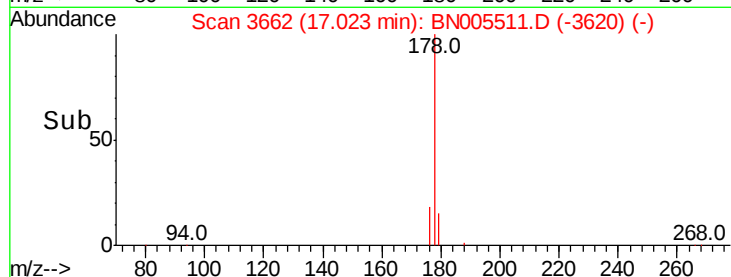
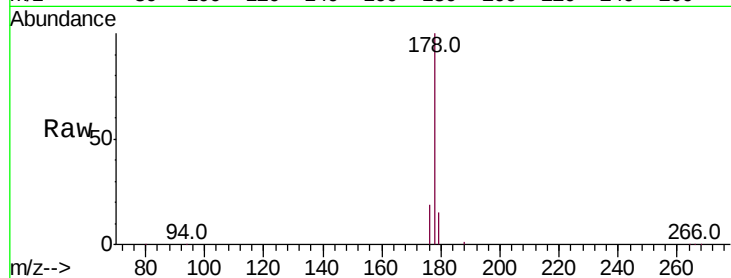
#12
Phenanthrene
Concen: 0.821 ng/ul
RT: 17.02 min Scan# 3662
Delta R.T. -0.02 min
Lab File: BN005511.D
Acq: 07 May 2019 06:14

Instrument :
BNA_N
ClientSampleId :
A5134

Tot Ion:178 Resp: 30014
Ion Ratio Lower Upper
178 100
179 15.5 12.8 19.2
176 18.6 15.3 22.9

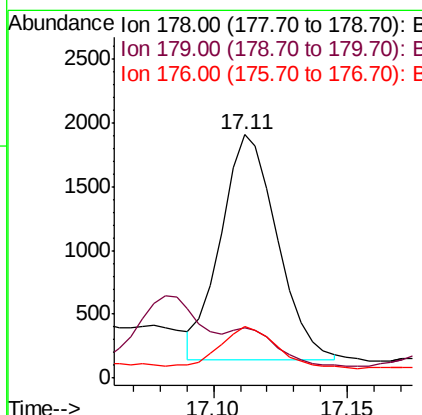
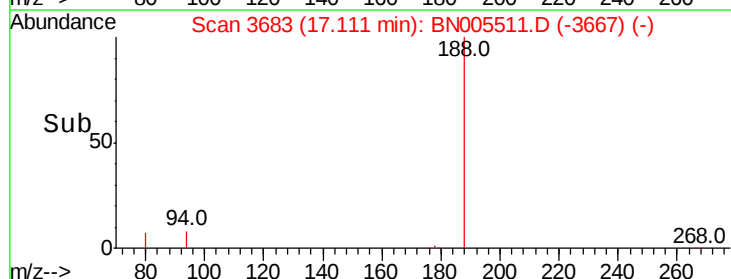
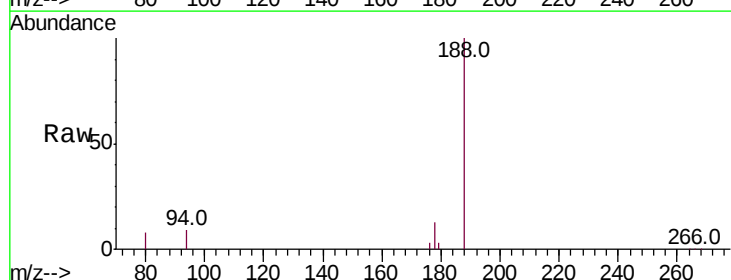
Manual Integrations
APPROVED

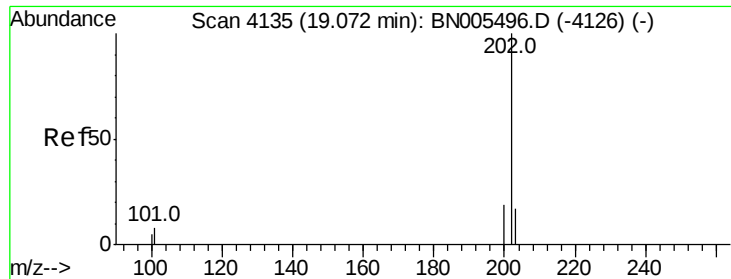
mohammad
5/8/2019 12:01:26 AM



#13
Anthracene
Concen: 0.071 ng/ul m
RT: 17.11 min Scan# 3683
Delta R.T. -0.03 min
Lab File: BN005511.D
Acq: 07 May 2019 06:14

Tgt Ion:178 Resp: 2592
Ion Ratio Lower Upper
178 100
179 20.8 13.4 20.2#
176 21.0 15.1 22.7





#15

Fluoranthene

Concen: 0.606 ng/ul m

RT: 19.06 min Scan# 4132

Delta R.T. -0.01 min

Lab File: BN005511.D

Acq: 07 May 2019 06:14

Instrument :

BNA_N

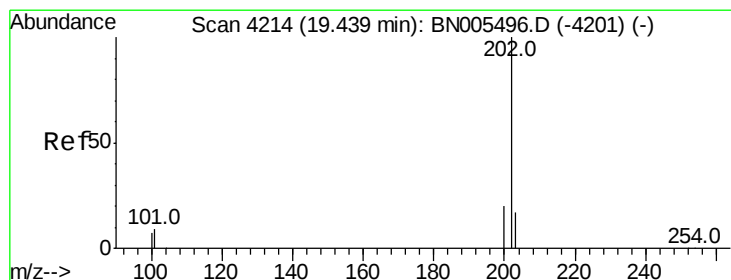
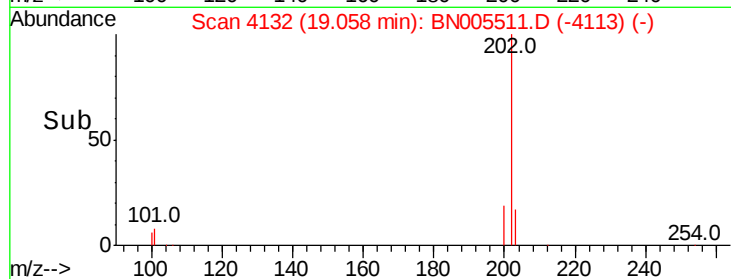
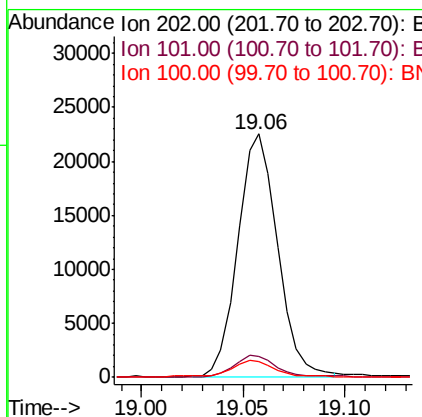
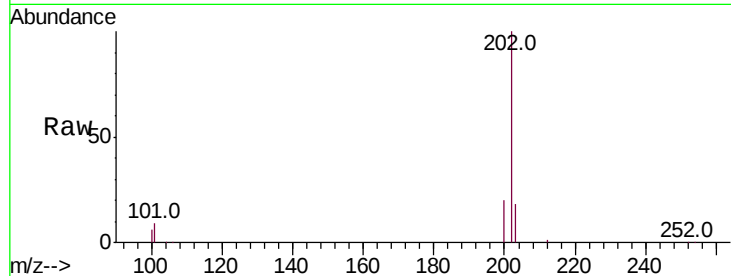
ClientSampleId :

A5134

Tot Ion:	202	Resp:	30652
Ion Ratio	Lower	Upper	
202	100		
101	8.6	0.0	29.4
100	6.4	0.0	27.1

Manual Integrations
APPROVED

mohammad
5/8/2019 12:01:26 AM



#17

Pyrene

Concen: 0.571 ng/ul m

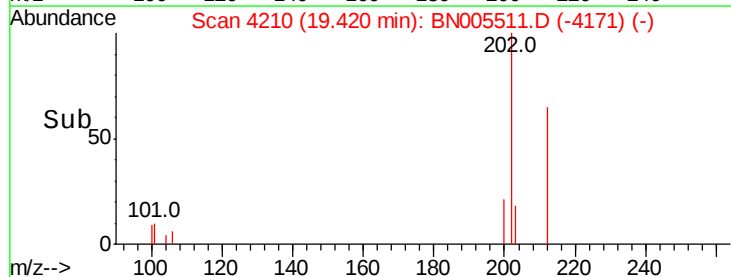
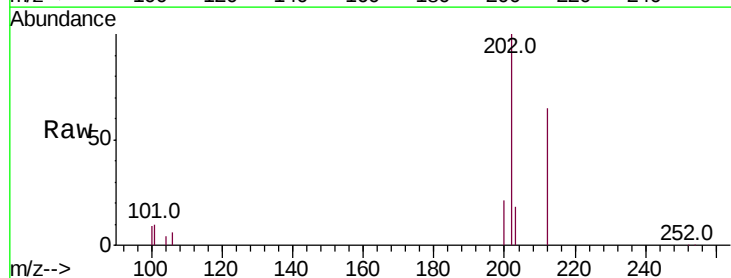
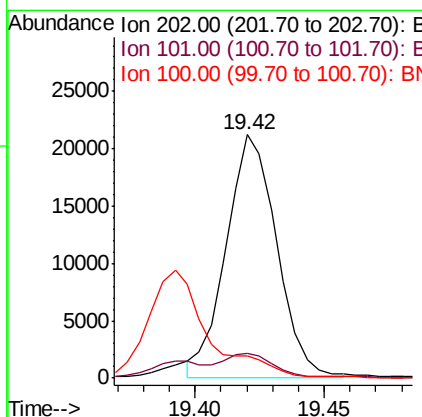
RT: 19.42 min Scan# 4210

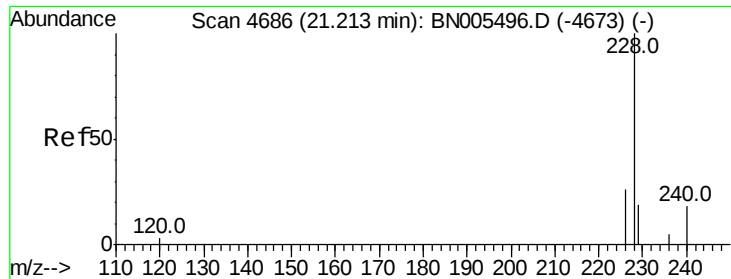
Delta R.T. -0.02 min

Lab File: BN005511.D

Acq: 07 May 2019 06:14

Tgt Ion:	202	Resp:	28756
Ion Ratio	Lower	Upper	
202	100		
101	10.4	8.5	12.7
100	8.9	6.9	10.3





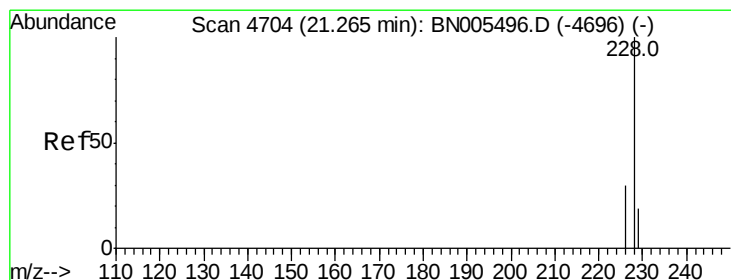
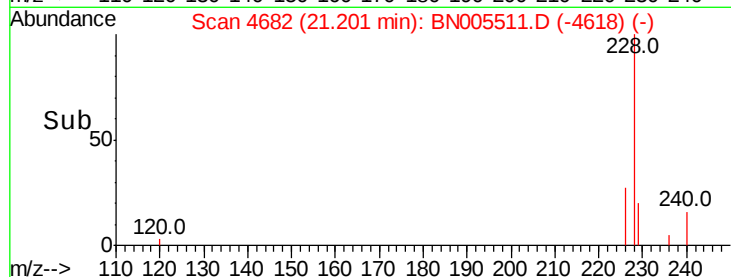
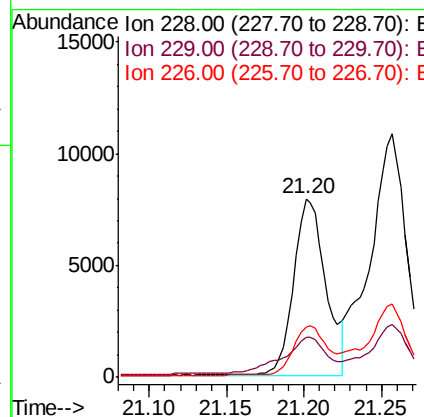
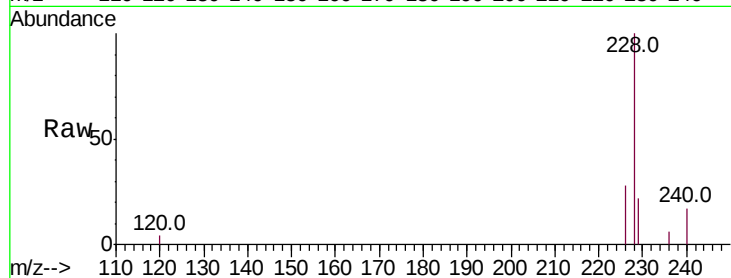
#18
Benzo(a)anthracene
Concen: 0.242 ng/ul
RT: 21.20 min Scan# 4682
Delta R.T. -0.01 min
Lab File: BN005511.D
Acq: 07 May 2019 06:14

Instrument :
BNA_N
ClientSampled :
A5134

Tot Ion	Ratio	Lower	Upper
228	100		
229	22.5	15.8	23.8
226	28.4	21.7	32.5

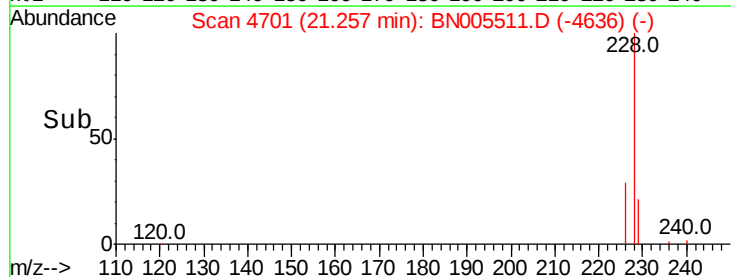
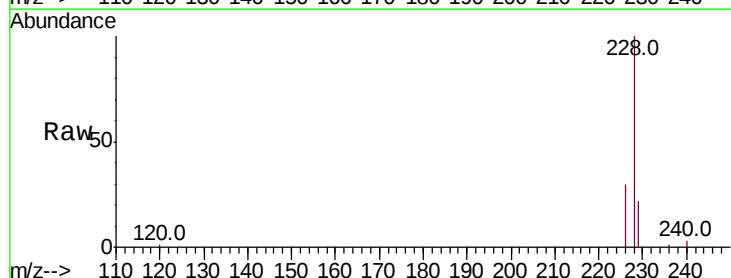
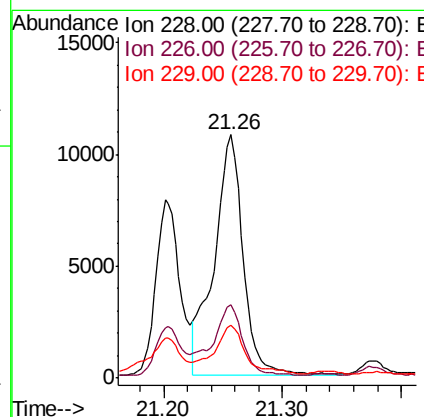
Manual Integrations
APPROVED

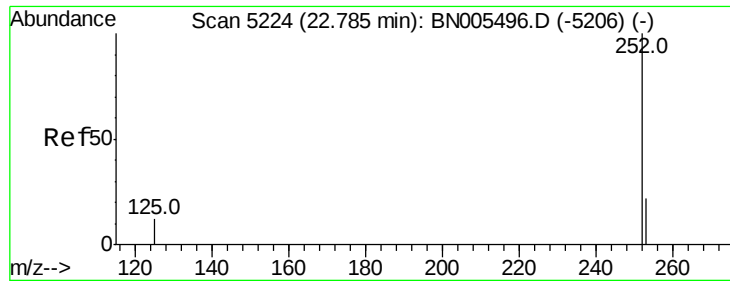
mohammad
5/8/2019 12:01:26 AM



#19
Chrysene
Concen: 0.319 ng/ul
RT: 21.26 min Scan# 4701
Delta R.T. -0.01 min
Lab File: BN005511.D
Acq: 07 May 2019 06:14

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.9	23.2	34.8
229	21.8	16.0	24.0





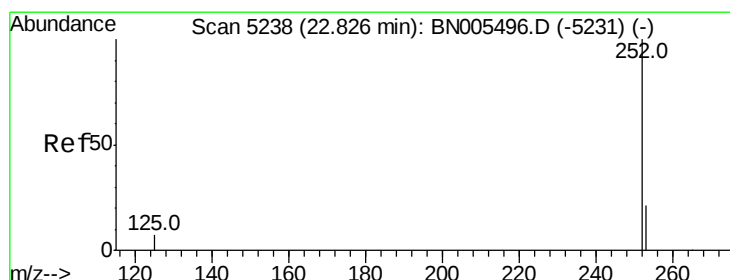
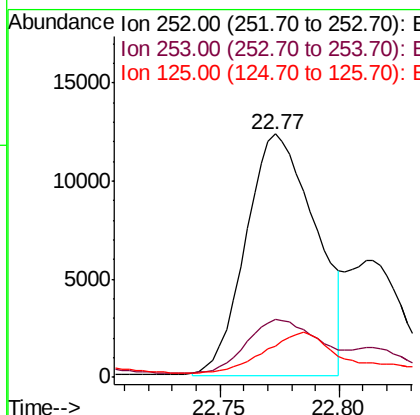
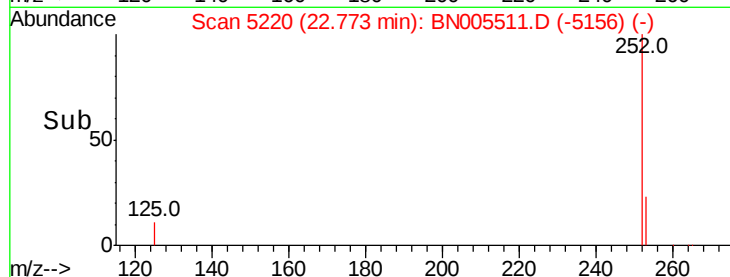
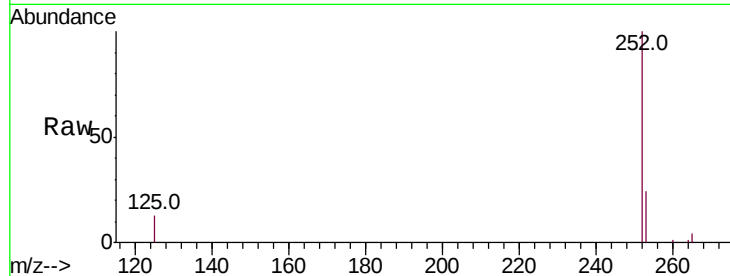
#21
Benzo(b)fluoranthene
Concen: 0.690 ng/ul m
RT: 22.77 min Scan# 5220
Delta R.T. -0.01 min
Lab File: BN005511.D
Acq: 07 May 2019 06:14

Instrument :
BNA_N
ClientSampleId :
A5134

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	0.0	47.6
125	13.0	0.0	20.8

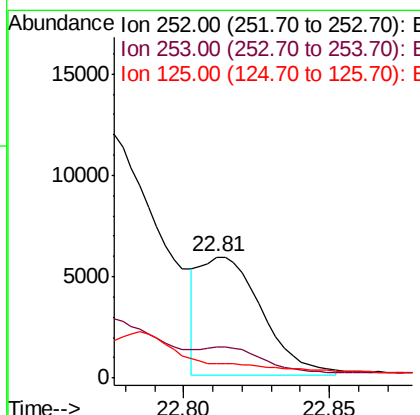
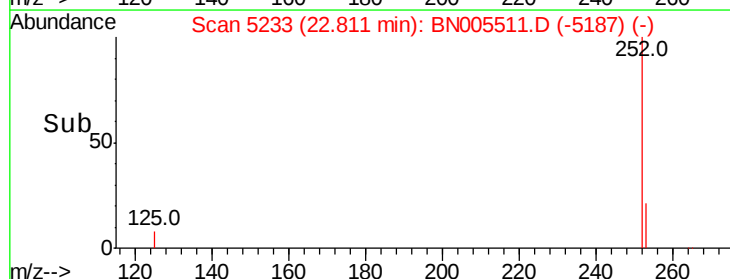
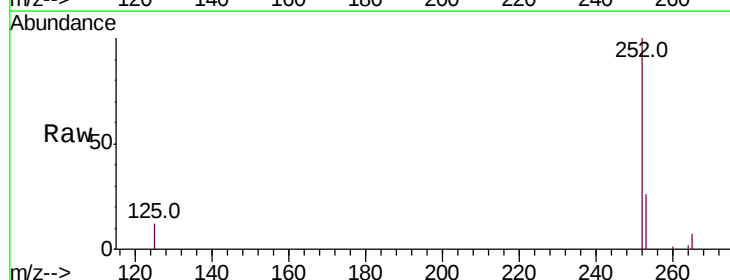
Manual Integrations
APPROVED

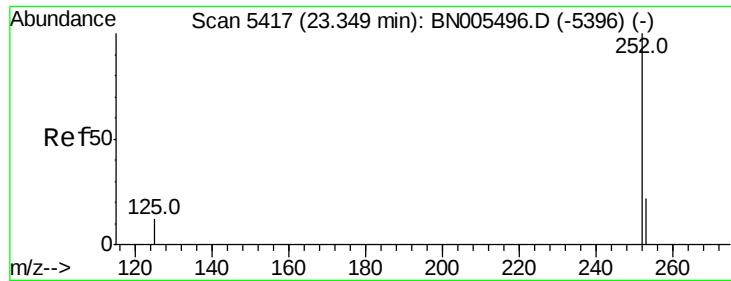
mohammad
5/8/2019 12:01:26 AM



#22
Benzo(k)fluoranthene
Concen: 0.192 ng/ul m
RT: 22.81 min Scan# 5233
Delta R.T. -0.01 min
Lab File: BN005511.D
Acq: 07 May 2019 06:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.6	18.8	28.2
125	12.2	7.6	11.4





#23

Benzo(a)pyrene

Concen: 0.356 ng/ul m

RT: 23.33 min Scan# 5410

Delta R.T. -0.02 min

Lab File: BN005511.D

Acq: 07 May 2019 06:14

Instrument :

BNA_N

ClientSampleId :

A5134

Tot Ion:252 Resp: 14498

Ion Ratio Lower Upper

252 100

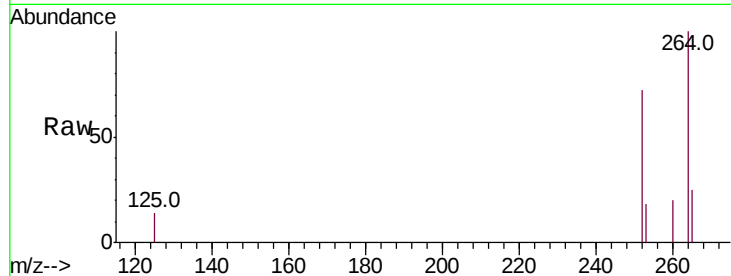
253 25.6 19.6 29.4

125 19.8 10.1 15.1#

Manual Integrations
APPROVED

mohammad

5/8/2019 12:01:26 AM

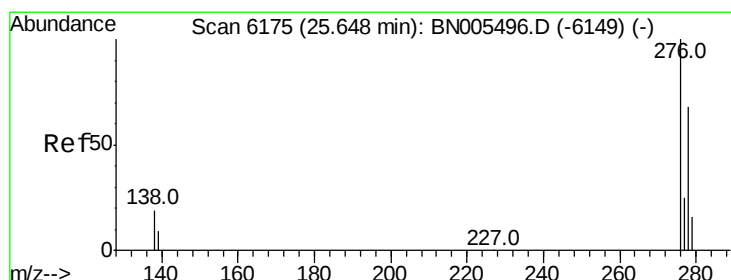
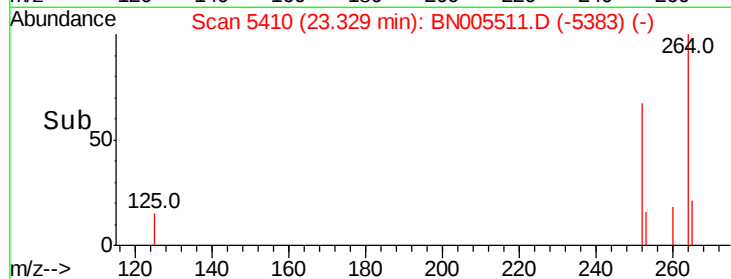
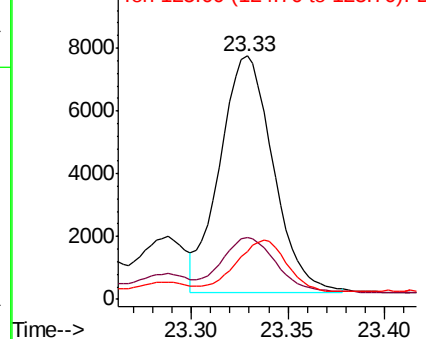


Abundance

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



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.238 ng/ul m

RT: 25.63 min Scan# 6169

Delta R.T. -0.02 min

Lab File: BN005511.D

Acq: 07 May 2019 06:14

Tgt Ion:276 Resp: 10841

Ion Ratio Lower Upper

276 100

138 1.5 15.8 23.8#

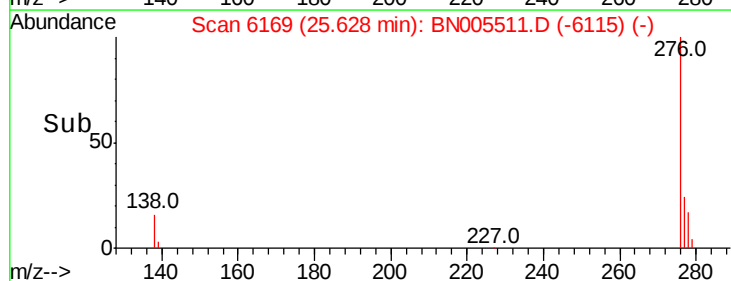
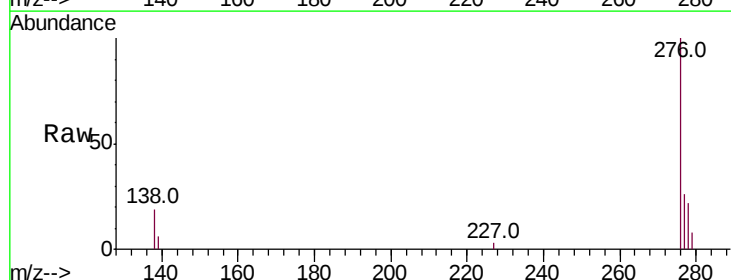
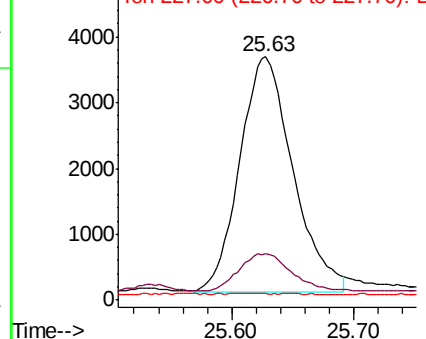
227 0.1 0.1 0.1#

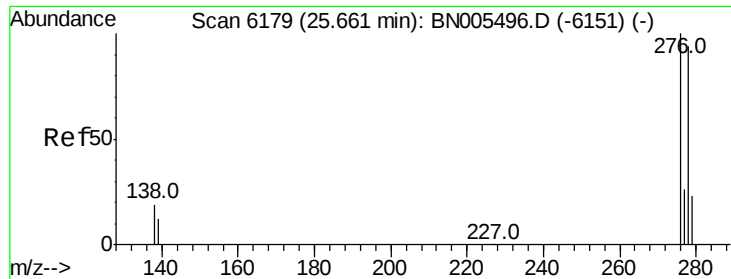
Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.061 ng/ul m

RT: 25.63 min Scan# 6170

Delta R.T. -0.03 min

Lab File: BN005511.D

Acq: 07 May 2019 06:14

Instrument :

BNA_N

ClientSampleId :

A5134

Tot Ion:278 Resp: 2296

Ion Ratio Lower Upper

278 100

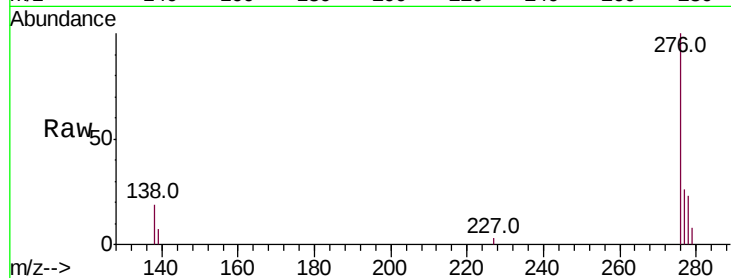
139 28.7 12.4 18.6#

279 35.3 21.0 31.4#

Manual Integrations
APPROVED

mohammad

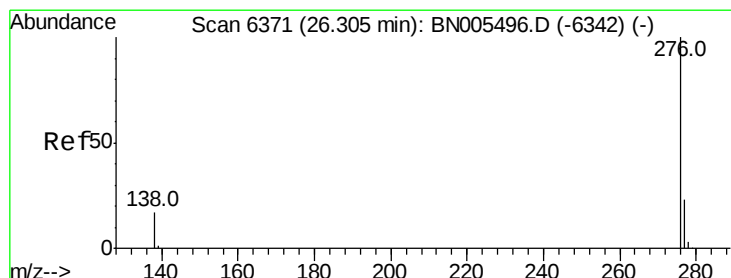
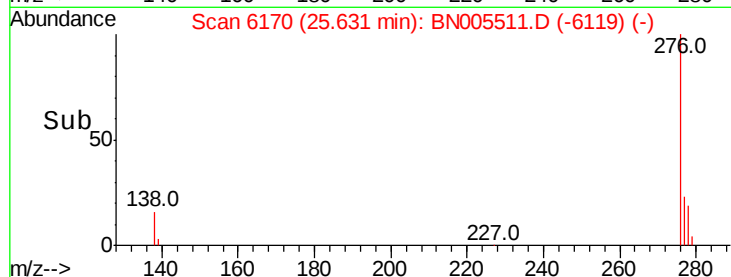
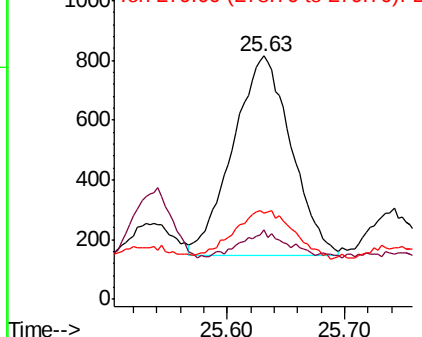
5/8/2019 12:01:26 AM



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



#26

Benzo(g,h,i)perylene

Concen: 0.213 ng/ul m

RT: 26.30 min Scan# 6368

Delta R.T. -0.01 min

Lab File: BN005511.D

Acq: 07 May 2019 06:14

Tgt Ion:276 Resp: 8282

Ion Ratio Lower Upper

276 100

138 21.2 15.6 23.4

277 26.7 20.6 31.0

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

