

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN112119\
 Data File : BN008684.D
 Acq On : 21 Nov 2019 19:15
 Operator : JU
 Sample : K5851-09DL 5X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0AA7DL

Manual Integrations
 APPROVED

mohammad
 11/22/2019 1:23:37 PM

Quant Time: Nov 22 06:51:52 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN111519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 22 06:30:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	3529	0.40	ng/ul	0.00
2) Naphthalene-d8	10.37	136	12545	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.23	164	7570	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.97	188	14822	0.40	ng/ul	0.00
16) Chrysene-d12	21.17	240	12528	0.40	ng/ul	0.00
20) Perylene-d12	23.34	264	12622	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.96	152	720	0.03	ng/ul	0.00
14) Fluoranthene-d10	19.00	212	1721	0.04	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.42	128	933	0.025	ng/ul#	74
7) Acenaphthylene	13.95	152	2016	0.048	ng/ul#	90
12) Phenanthrene	17.02	178	10478	0.210	ng/ul	99
13) Anthracene	17.11	178	2560	0.054	ng/ul#	91
15) Fluoranthene	19.04	202	30021	0.489	ng/ul	93
17) Pyrene	19.40	202	26068	0.519	ng/ul	96
18) Benzo(a)anthracene	21.16	228	14196	0.282	ng/ul	96
19) Chrysene	21.21	228	14802m	0.299	ng/ul	
21) Benzo(b)fluoranthene	22.70	252	19493m	0.375	ng/ul	
22) Benzo(k)fluoranthene	22.74	252	7238m	0.140	ng/ul	
23) Benzo(a)pyrene	23.24	252	13137	0.269	ng/ul#	81
24) Indeno(1,2,3-cd)pyrene	25.47	276	9096	0.159	ng/ul#	100
25) Dibenzo(a,h)anthracene	25.48	278	2256	0.049	ng/ul#	26
26) Benzo(g,h,i)perylene	26.12	276	9057	0.189	ng/ul#	90

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

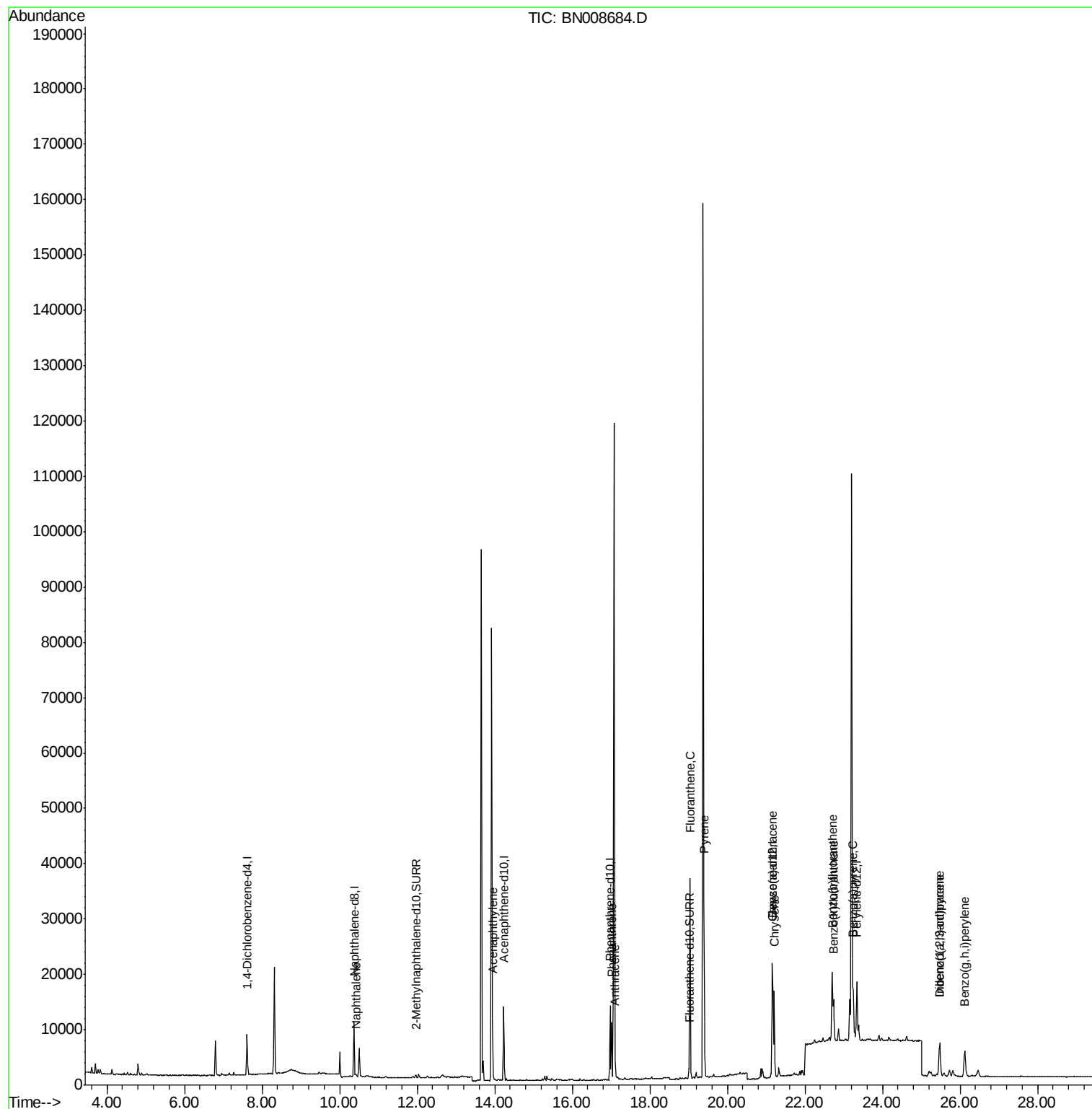
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN112119\
Data File : BN008684.D
Acq On : 21 Nov 2019 19:15
Operator : JU
Sample : K5851-09DL 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

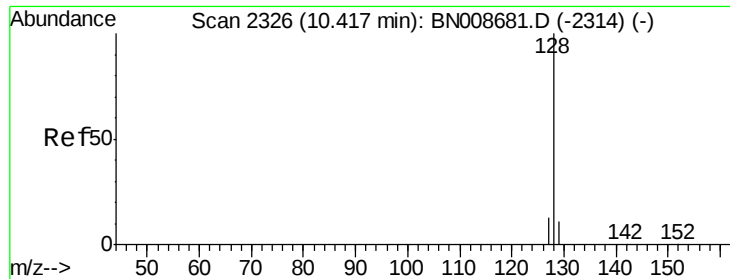
Instrument :
BNA_N
ClientSampleId :
C0AA7DL

Manual Integrations
APPROVED

mohammad
11/22/2019 1:23:37 PM

Quant Time: Nov 22 06:51:52 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN11519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 22 06:30:58 2019
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.025 ng/ul

RT: 10.42 min Scan# 2327

Delta R.T. 0.01 min

Lab File: BN008684.D

Acq: 21 Nov 2019 19:15

Instrument :

BNA_N

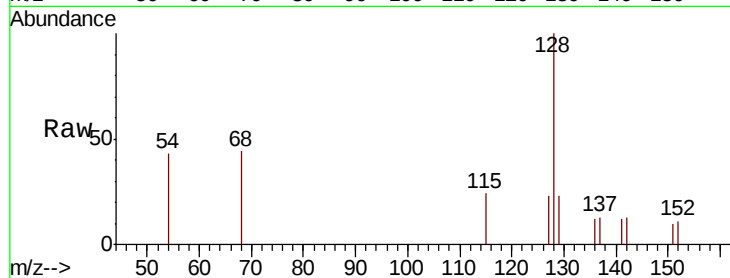
ClientSampleId :

C0AA7DL

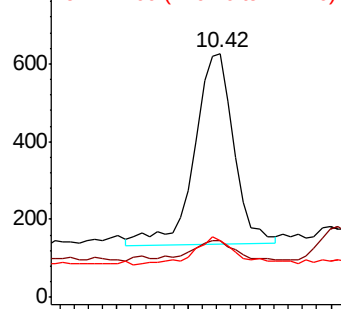
Tot Ion:	128	Resp:	933
Ion Ratio	Lower	Upper	
128	100		
129	23.3	9.7	14.5#
127	23.2	10.8	16.2#

Manual Integrations
APPROVED

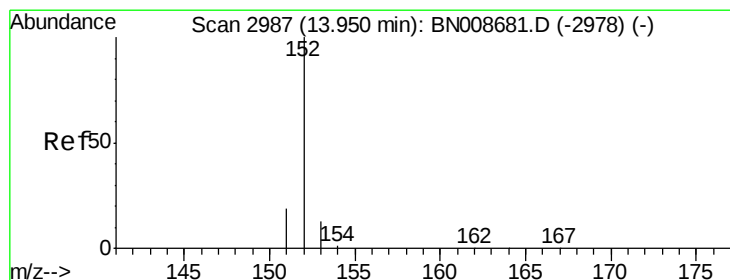
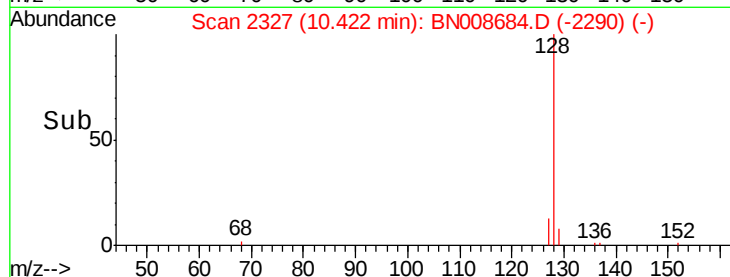
mohammad
11/22/2019 1:23:37 PM



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



Time-->



#7

Acenaphthylene

Concen: 0.048 ng/ul

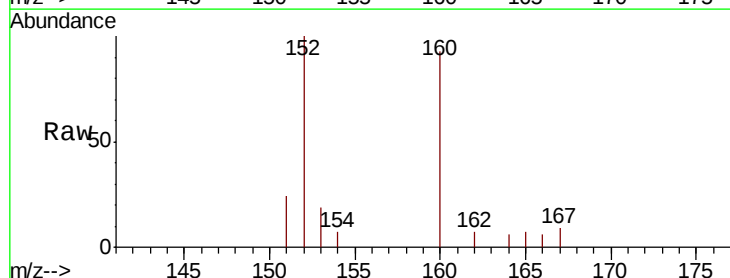
RT: 13.95 min Scan# 2987

Delta R.T. -0.00 min

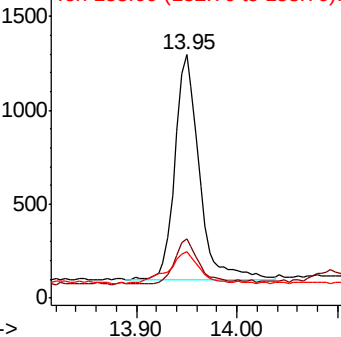
Lab File: BN008684.D

Acq: 21 Nov 2019 19:15

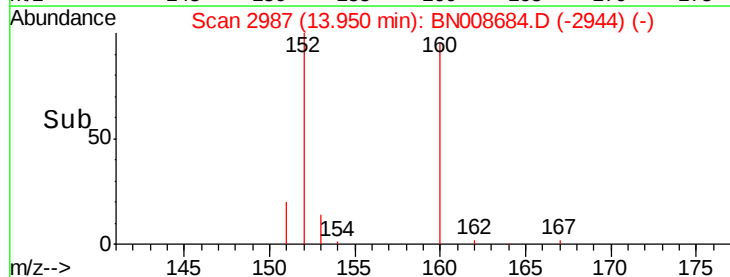
Tgt Ion:	152	Resp:	2016
Ion Ratio	Lower	Upper	
152	100		
151	24.2	16.6	24.8
153	19.2	11.1	16.7#

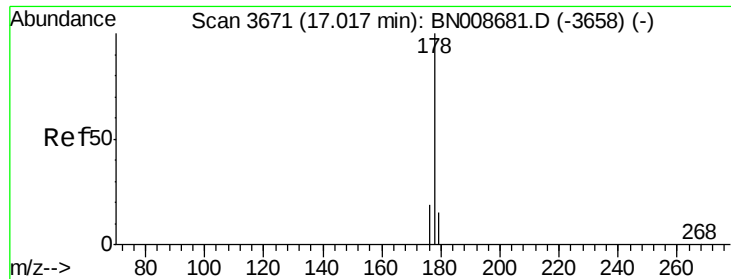


Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



Time-->





#12

Phenanthrene

Concen: 0.210 ng/ul

RT: 17.02 min Scan# 3671

Delta R.T. -0.00 min

Lab File: BN008684.D

Acq: 21 Nov 2019 19:15

Instrument :

BNA_N

ClientSampleId :

C0AA7DL

Tot Ion:178 Resp: 10478

Ion Ratio Lower Upper

178 100

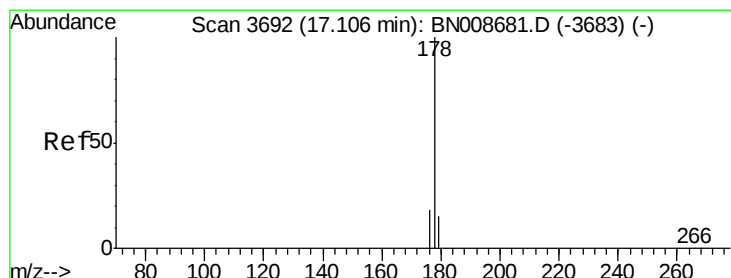
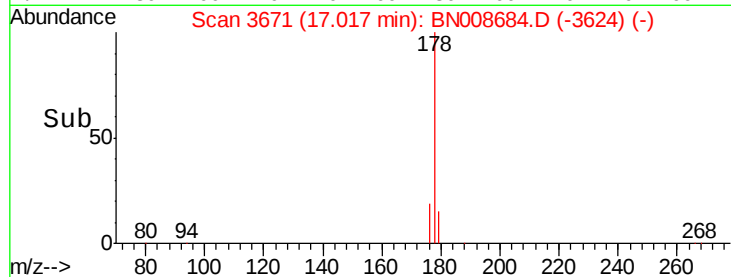
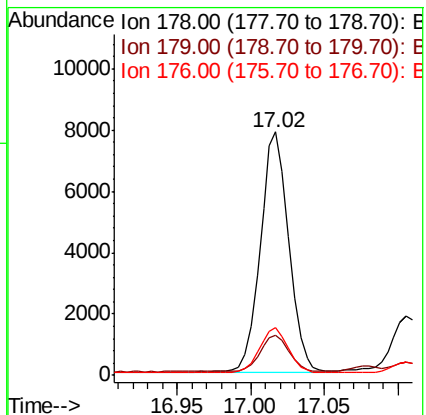
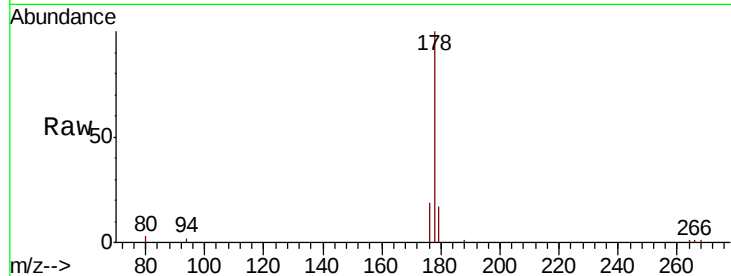
179 16.6 12.8 19.2

176 19.4 16.0 24.0

Manual Integrations
APPROVED

mohammad

11/22/2019 1:23:37 PM



#13

Anthracene

Concen: 0.054 ng/ul

RT: 17.11 min Scan# 3692

Delta R.T. -0.00 min

Lab File: BN008684.D

Acq: 21 Nov 2019 19:15

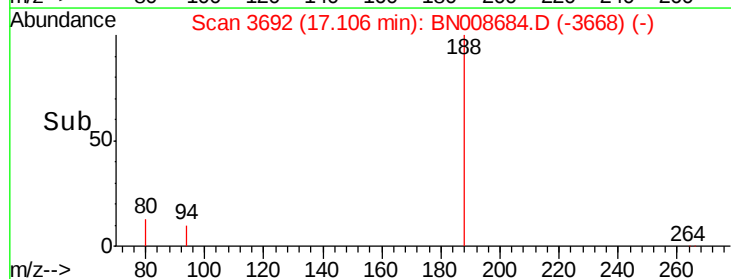
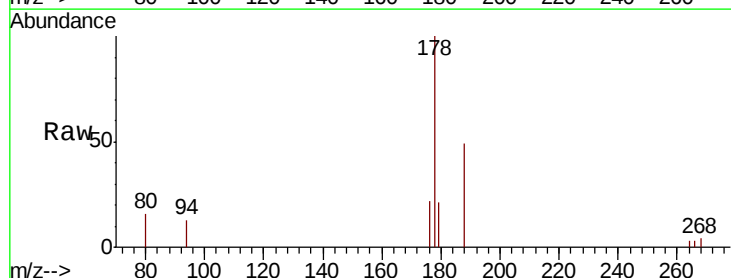
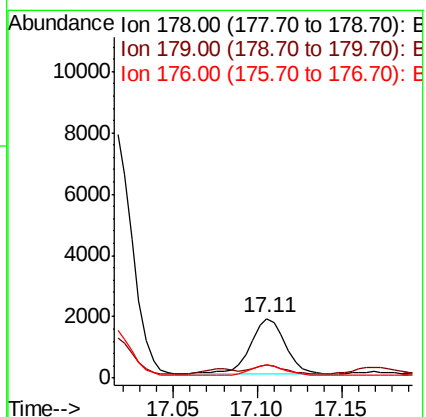
Tgt Ion:178 Resp: 2560

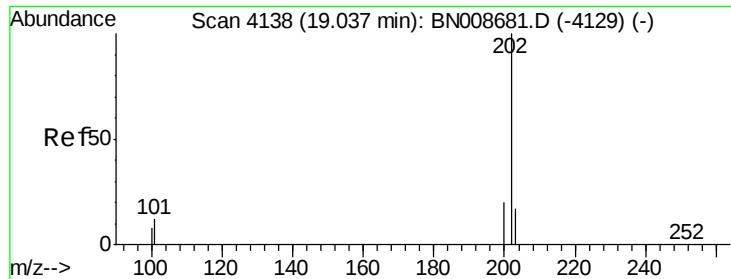
Ion Ratio Lower Upper

178 100

179 21.5 13.0 19.4#

176 21.6 15.3 22.9





#15

Fluoranthene

Concen: 0.489 ng/ul

RT: 19.04 min Scan# 4138

Delta R.T. -0.00 min

Lab File: BN008684.D

Acq: 21 Nov 2019 19:15

Instrument :

BNA_N

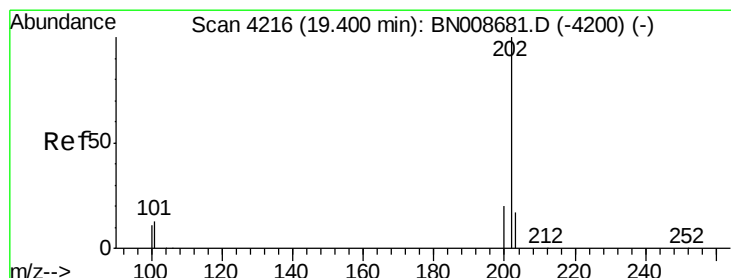
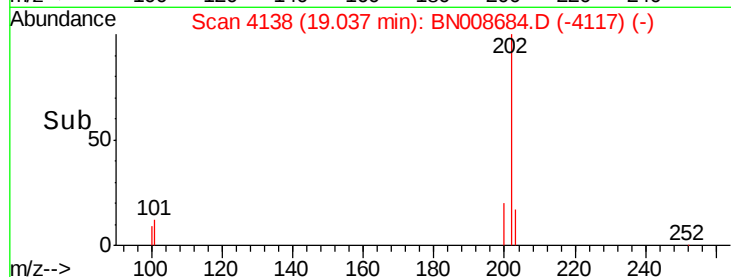
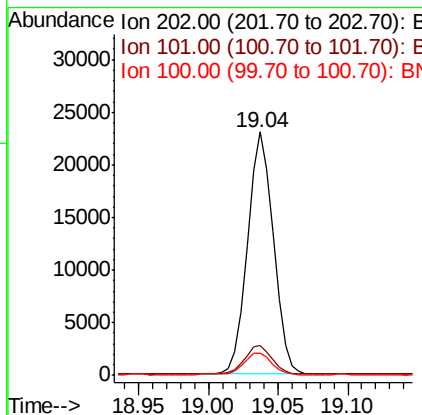
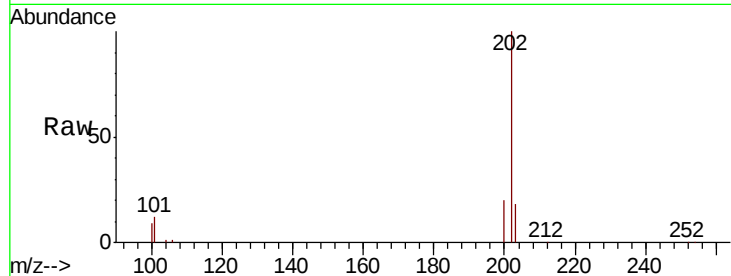
ClientSampleId :

C0AA7DL

Tot Ion:	202	Resp:	30021
Ion Ratio	Lower	Upper	
202	100		
101	12.4	0.0	29.6
100	9.2	0.0	27.0

Manual Integrations
APPROVED

mohammad
11/22/2019 1:23:37 PM



#17

Pyrene

Concen: 0.519 ng/ul

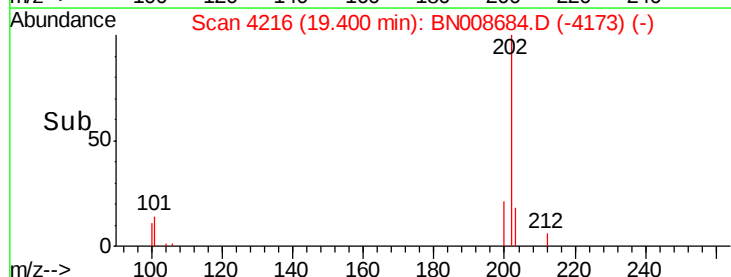
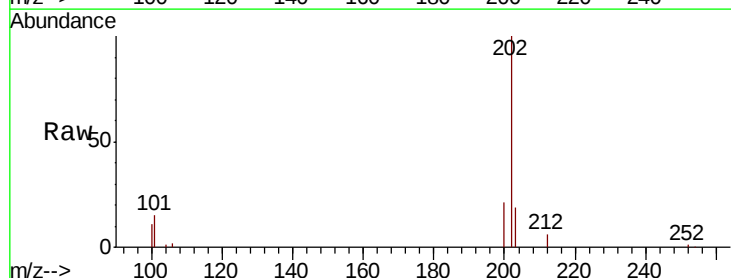
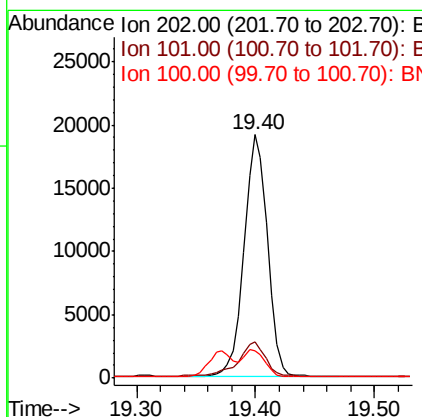
RT: 19.40 min Scan# 4216

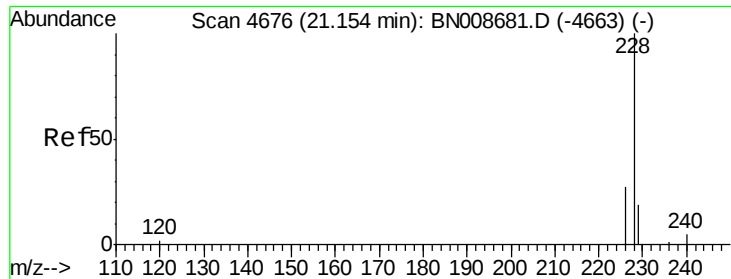
Delta R.T. -0.00 min

Lab File: BN008684.D

Acq: 21 Nov 2019 19:15

Tgt Ion:	202	Resp:	26068
Ion Ratio	Lower	Upper	
202	100		
101	14.8	10.2	15.2
100	11.4	8.2	12.2





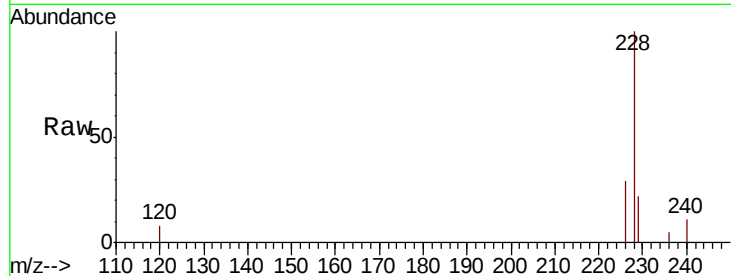
#18
Benzo(a)anthracene
Concen: 0.282 ng/ul
RT: 21.16 min Scan# 4677
Delta R.T. 0.00 min
Lab File: BN008684.D
Acq: 21 Nov 2019 19:15

Instrument :
BNA_N
ClientSampleId :
C0AA7DL

Tot Ion	Ratio	Lower	Upper
228	100		
229	21.7	15.8	23.6
226	29.3	21.6	32.4

Manual Integrations
APPROVED

mohammad
11/22/2019 1:23:37 PM

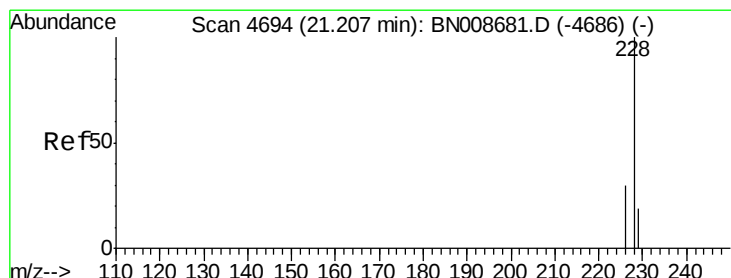
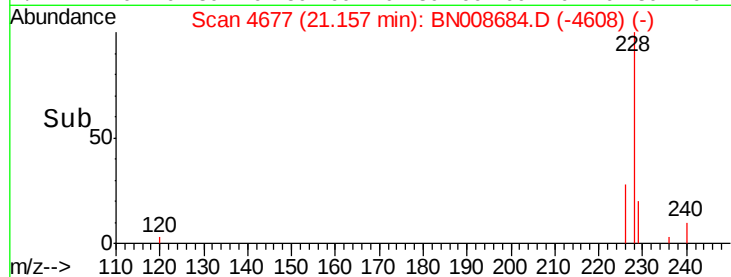
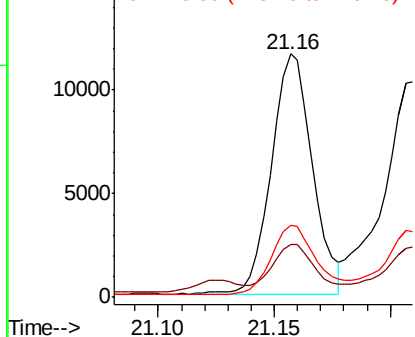


Abundance

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



#19
Chrysene
Concen: 0.299 ng/ul m
RT: 21.21 min Scan# 4695
Delta R.T. 0.00 min
Lab File: BN008684.D
Acq: 21 Nov 2019 19:15

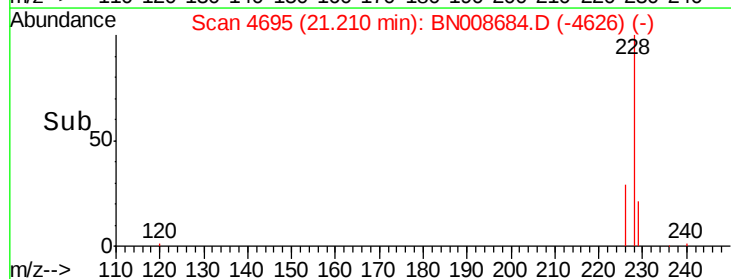
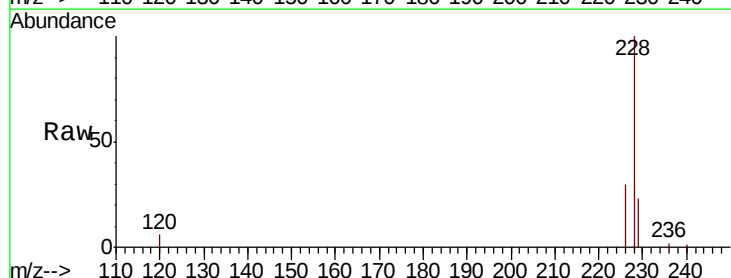
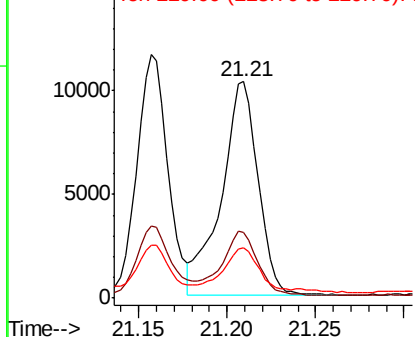
Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.5	36.7
229	23.4	15.5	23.3#

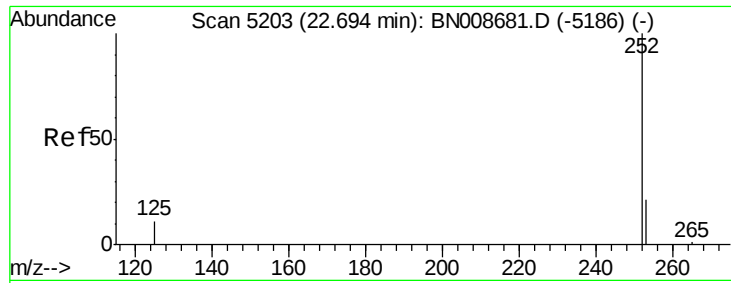
Abundance

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





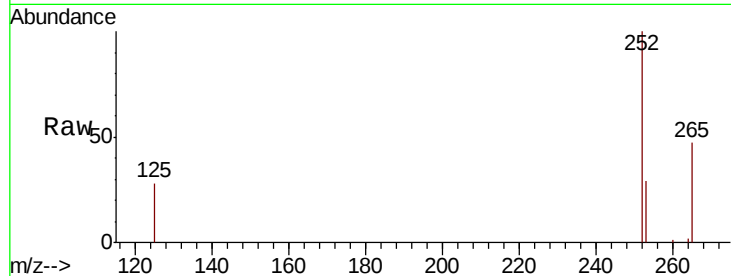
#21
Benzo(b)fluoranthene
Concen: 0.375 ng/ul m
RT: 22.70 min Scan# 5205
Delta R.T. 0.01 min
Lab File: BN008684.D
Acq: 21 Nov 2019 19:15

Instrument :
BNA_N
ClientSampleId :
C0AA7DL

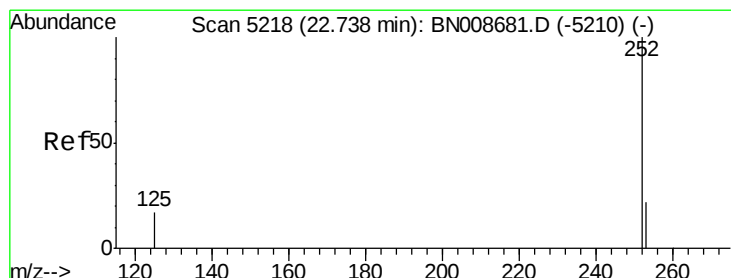
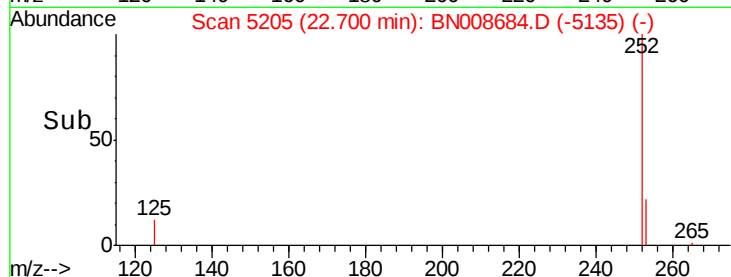
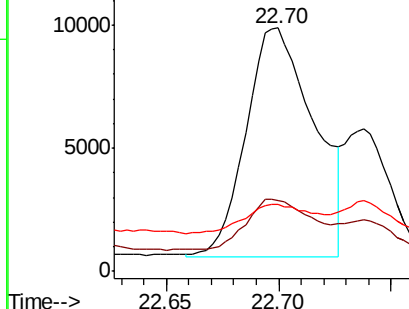
Tot Ion	Ratio	Lower	Upper
252	100		
253	29.3	0.0	50.2
125	27.6	0.0	30.0

Manual Integrations
APPROVED

mohammad
11/22/2019 1:23:37 PM



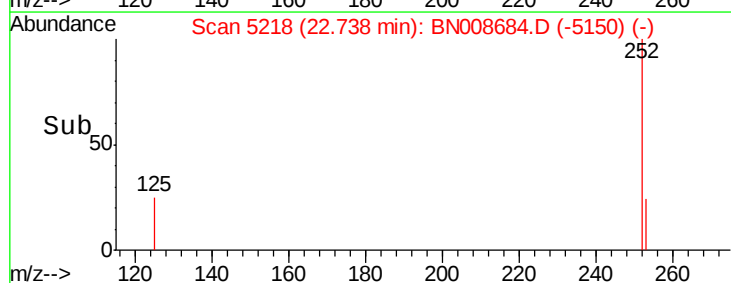
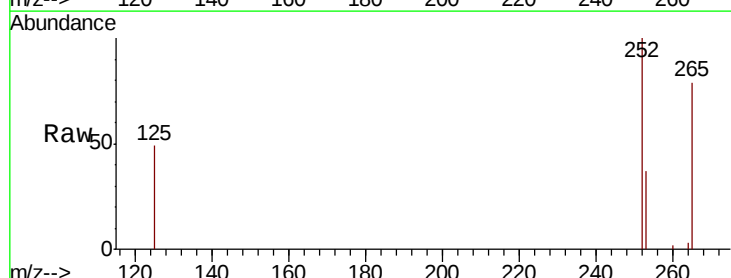
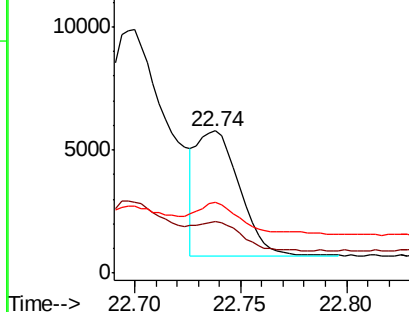
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

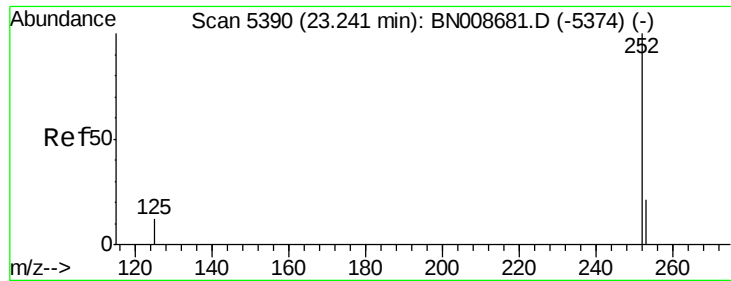


#22
Benzo(k)fluoranthene
Concen: 0.140 ng/ul m
RT: 22.74 min Scan# 5218
Delta R.T. -0.00 min
Lab File: BN008684.D
Acq: 21 Nov 2019 19:15

Tgt Ion	Ratio	Lower	Upper
252	100		
253	36.6	20.5	30.7#
125	49.4	15.0	22.4#

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





#23

Benzo(a)pyrene

Concen: 0.269 ng/ul

RT: 23.24 min Scan# 5391

Delta R.T. 0.00 min

Lab File: BN008684.D

Acq: 21 Nov 2019 19:15

Instrument :

BNA_N

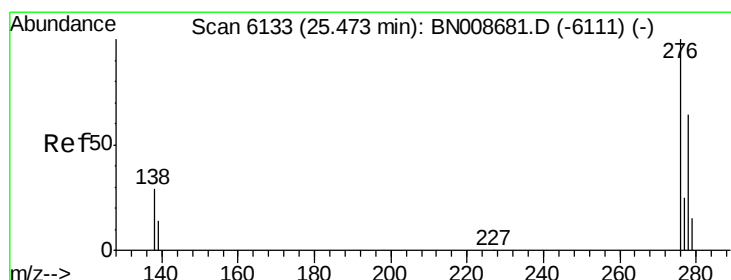
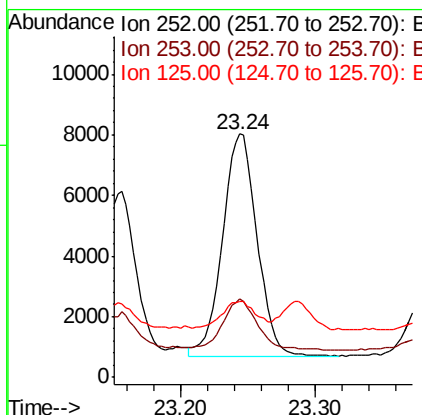
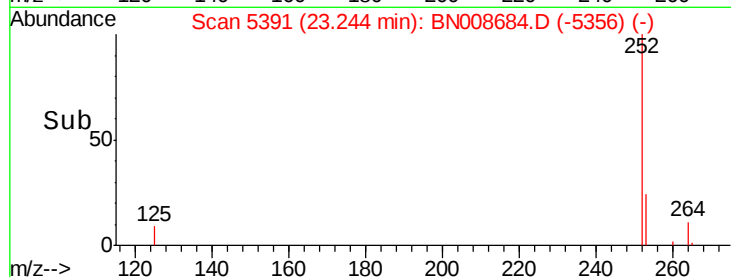
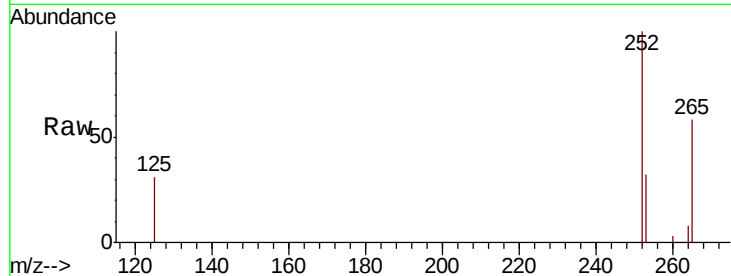
ClientSampleId :

C0AA7DL

Tot Ion:	252	Resp:	13137
Ion Ratio	Lower	Upper	
252	100		
253	32.2	21.4	32.2#
125	31.2	13.8	20.8#

Manual Integrations
APPROVED

mohammad
11/22/2019 1:23:37 PM



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.159 ng/ul

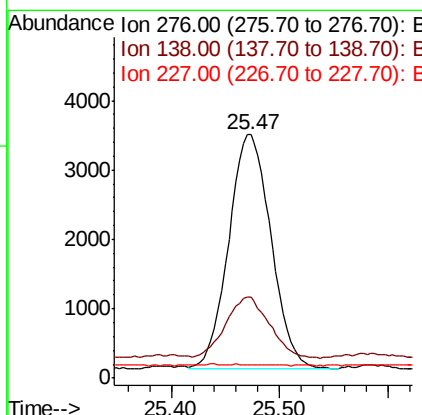
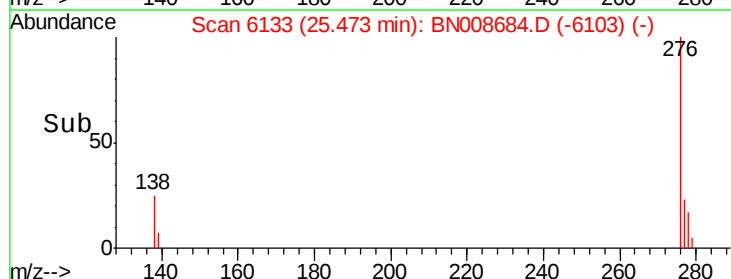
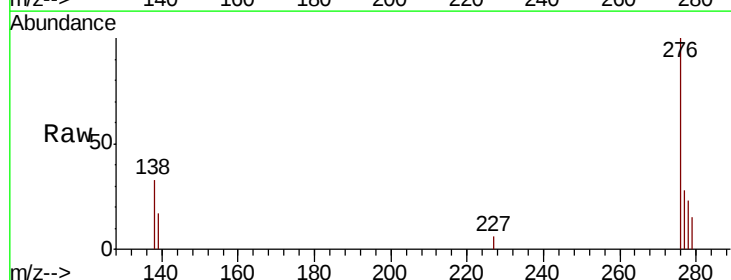
RT: 25.47 min Scan# 6133

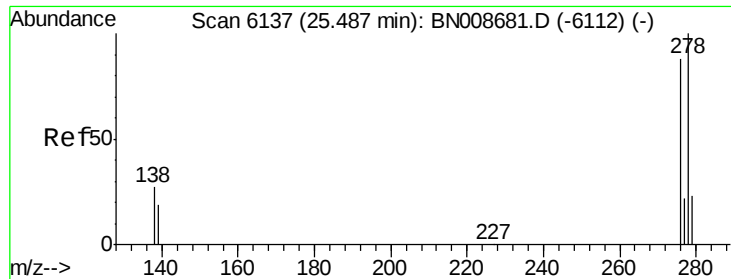
Delta R.T. -0.00 min

Lab File: BN008684.D

Acq: 21 Nov 2019 19:15

Tgt Ion:	276	Resp:	9096
Ion Ratio	Lower	Upper	
276	100		
138	27.1	21.7	32.5
227	0.1	0.2	0.2#





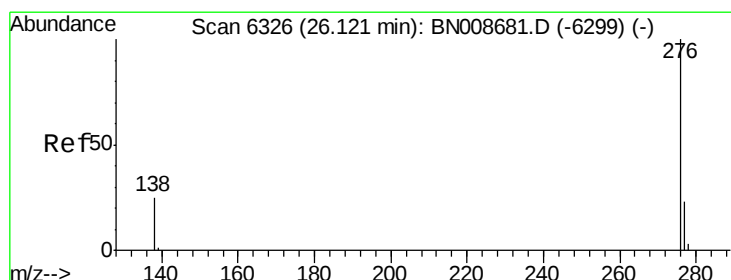
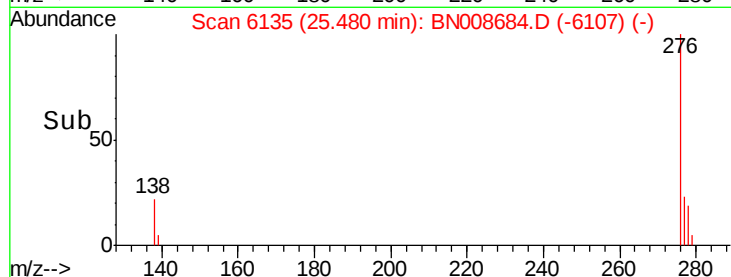
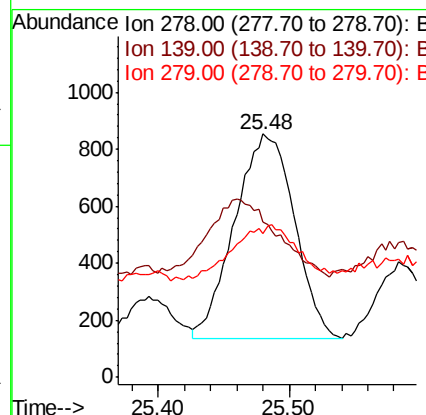
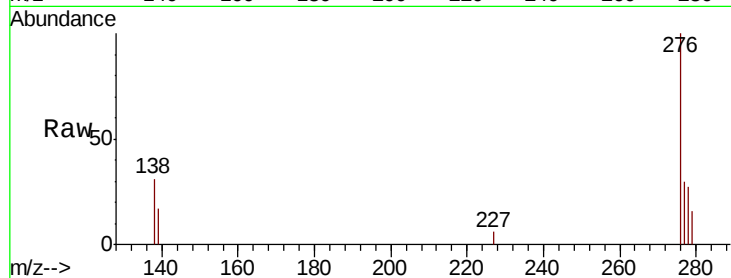
#25
Dibenzo(a,h)anthracene
Concen: 0.049 ng/u1
RT: 25.48 min Scan# 6135
Delta R.T. -0.01 min
Lab File: BN008684.D
Acq: 21 Nov 2019 19:15

Instrument :
BNA_N
ClientSampleId :
C0AA7DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	63.9	18.7	28.1#
279	59.1	20.8	31.2#

Manual Integrations
APPROVED

mohammad
11/22/2019 1:23:37 PM



#26
Benzo(g,h,i)perylene
Concen: 0.189 ng/u1
RT: 26.12 min Scan# 6326
Delta R.T. -0.00 min
Lab File: BN008684.D
Acq: 21 Nov 2019 19:15

Tgt Ion	Ratio	Lower	Upper
276	100		
138	32.5	20.0	30.0#
277	28.0	20.0	30.0

