

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN111819\
 Data File : BN008599.D
 Acq On : 18 Nov 2019 12:18
 Operator : JU
 Sample : K5678-01DL 10X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 JLM53DL

Manual Integrations
 APPROVED

mohammad
 11/19/2019 2:43:58 PM

Quant Time: Nov 18 12:51:40 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 15 22:41:33 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	2957	0.40	ng/ul	0.00
2) Naphthalene-d8	10.39	136	10549	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.25	164	6246	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.99	188	13286	0.40	ng/ul	0.00
16) Chrysene-d12	21.19	240	10975	0.40	ng/ul	0.00
20) Perylene-d12	23.36	264	11744	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.98	152	335	0.02	ng/ul	0.00
14) Fluoranthene-d10	19.02	212	806	0.02	ng/ul	0.00
Target Compounds					Ovalue	
3) Naphthalene	10.44	128	2108	0.066	ng/ul#	90
5) 2-Methylnaphthalene	12.06	142	955	0.043	ng/ul	100
7) Acenaphthylene	13.96	152	4126	0.119	ng/ul	96
8) Acenaphthene	14.32	153	595	0.023	ng/ul	97
9) Fluorene	15.30	166	1093	0.036	ng/ul#	88
12) Phenanthrene	17.03	178	30112	0.672	ng/ul	99
13) Anthracene	17.12	178	3113	0.074	ng/ul#	87
15) Fluoranthene	19.06	202	50123	0.911	ng/ul	99
17) Pyrene	19.42	202	48761	1.107	ng/ul	96
18) Benzo(a)anthracene	21.17	228	15591	0.353	ng/ul#	88
19) Chrysene	21.22	228	22892	0.528	ng/ul#	93
21) Benzo(b)fluoranthene	22.72	252	26685m	0.551	ng/ul	
22) Benzo(k)fluoranthene	22.76	252	10027m	0.209	ng/ul	
23) Benzo(a)pyrene	23.26	252	20351	0.448	ng/ul#	76
24) Indeno(1,2,3-cd)pyrene	25.51	276	14643	0.275	ng/ul#	93
25) Dibenzo(a,h)anthracene	25.52	278	3379	0.079	ng/ul#	1
26) Benzo(a,h,i)perylene	26.16	276	15323	0.345	ng/ul#	87

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

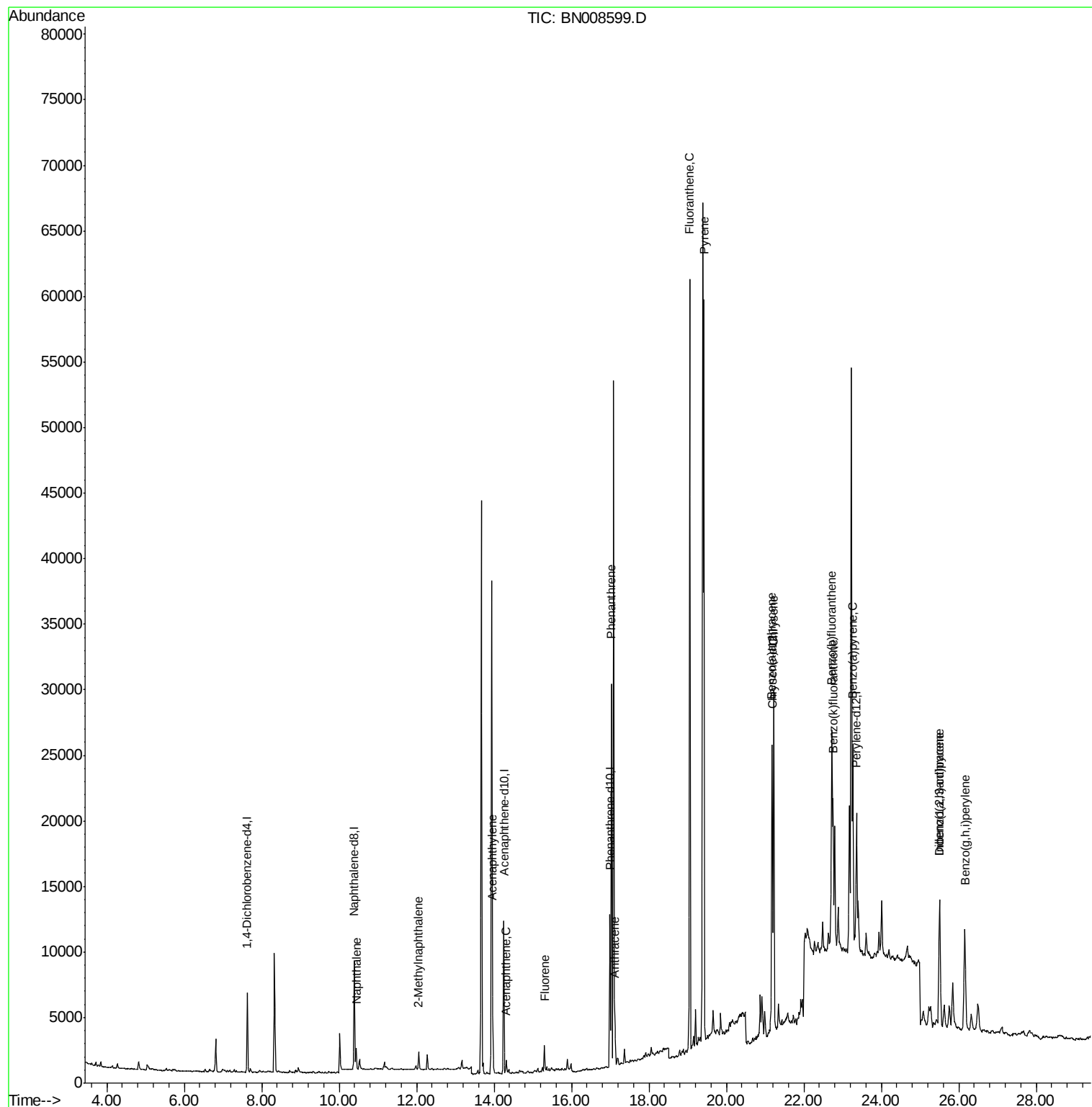
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN111819\
Data File : BN008599.D
Acq On : 18 Nov 2019 12:18
Operator : JU
Sample : K5678-01DL 10X
Misc :
ALS Vial : 6 Sample Multiplier: 1

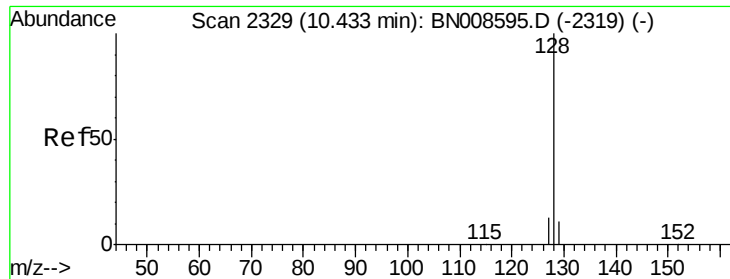
Instrument :
BNA_N
ClientSampleId :
JLM53DL

Manual Integrations
APPROVED

mohammad
11/19/2019 2:43:58 PM

Quant Time: Nov 18 12:51:40 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 15 22:41:33 2019
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.066 ng/ul

RT: 10.44 min Scan# 2330

Delta R.T. -0.00 min

Lab File: BN008599.D

Acq: 18 Nov 2019 12:18

Instrument :

BNA_N

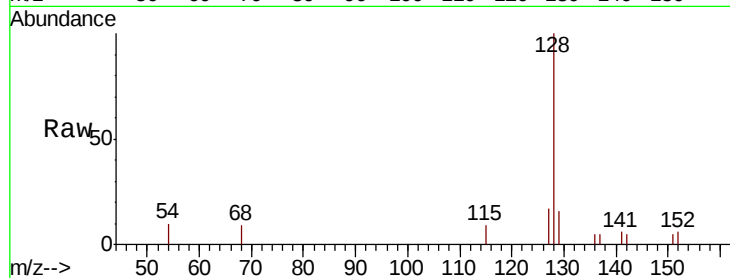
ClientSampleId :

JLM53DL

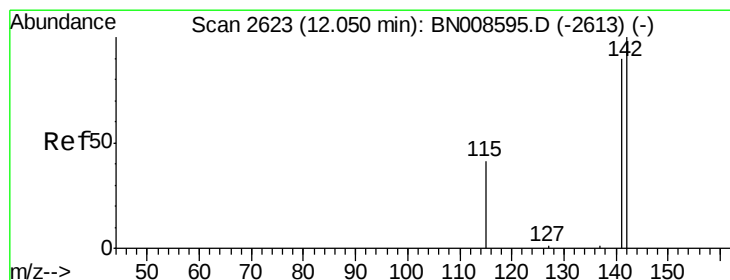
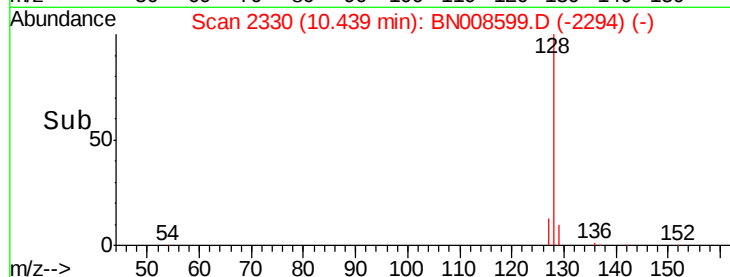
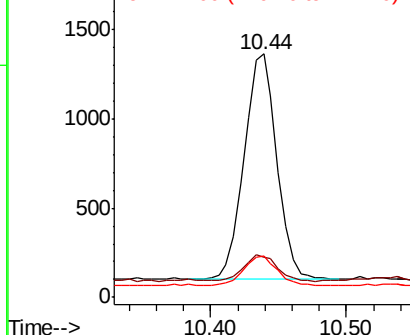
Tot Ion:	128	Resp:	2108
Ion Ratio	Lower	Upper	
128	100		
129	16.5	9.7	14.5#
127	17.1	10.8	16.2#

Manual Integrations
APPROVED

mohammad
11/19/2019 2:43:58 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



#5

2-Methylnaphthalene

Concen: 0.043 ng/ul

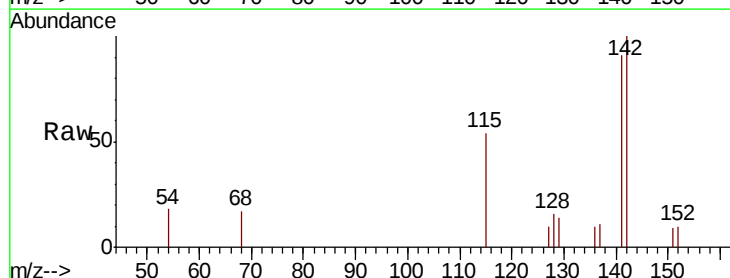
RT: 12.06 min Scan# 2624

Delta R.T. -0.00 min

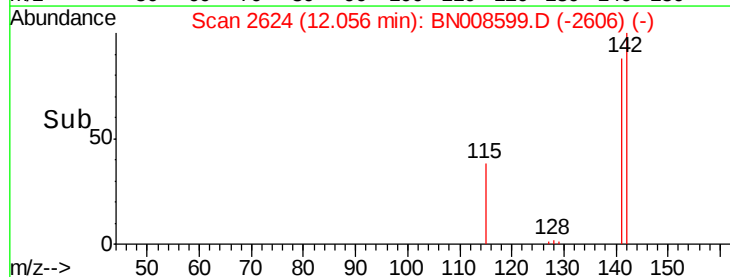
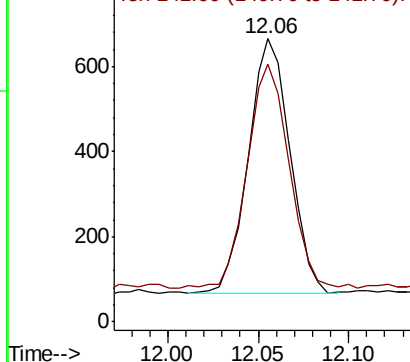
Lab File: BN008599.D

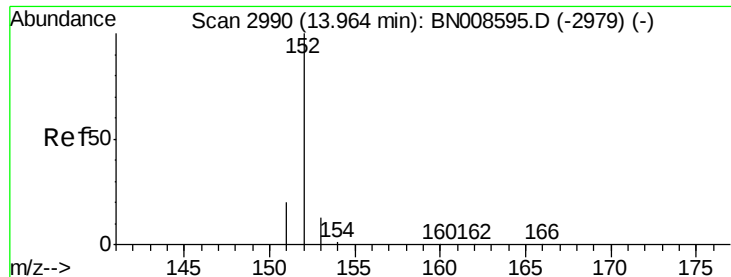
Acq: 18 Nov 2019 12:18

Tgt Ion:	142	Resp:	955
Ion Ratio	Lower	Upper	
142	100		
141	87.9	70.5	105.7



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.119 ng/ul

RT: 13.96 min Scan# 2990

Delta R.T. -0.00 min

Lab File: BN008599.D

Acq: 18 Nov 2019 12:18

Instrument :

BNA_N

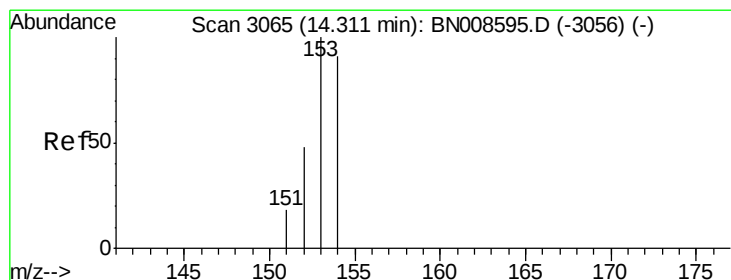
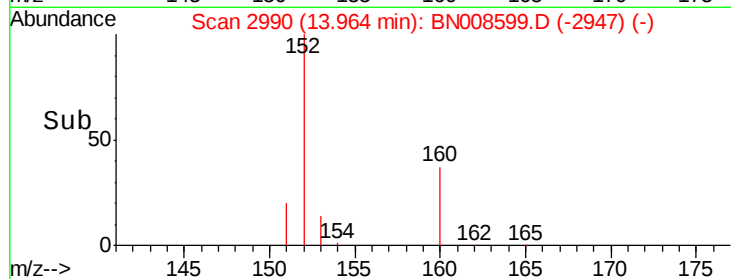
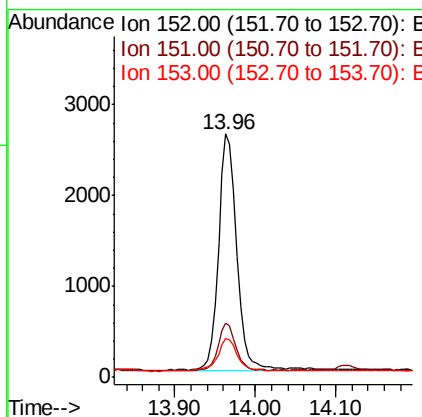
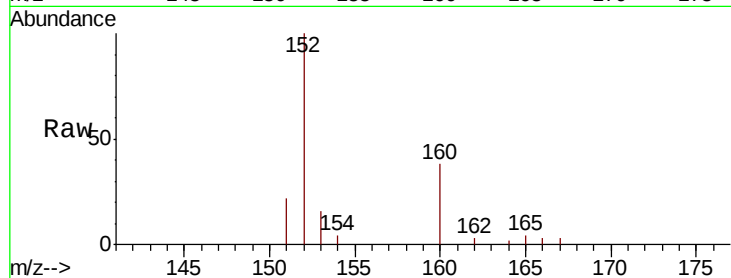
ClientSampleId :

JLM53DL

Tot Ion:	152	Resp:	4126
Ion Ratio	Lower	Upper	
152	100		
151	22.0	16.6	24.8
153	16.1	11.1	16.7

Manual Integrations
APPROVED

mohammad
11/19/2019 2:43:58 PM



#8

Acenaphthene

Concen: 0.023 ng/ul

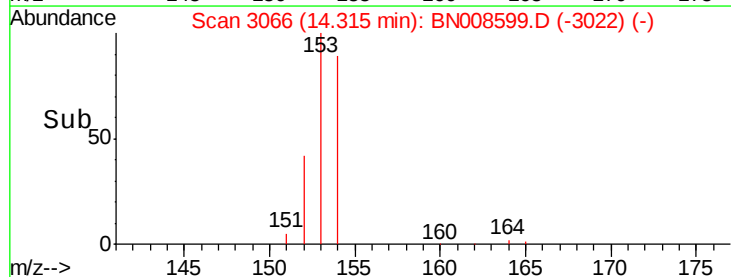
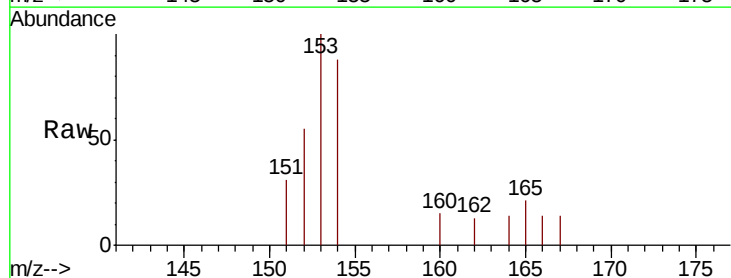
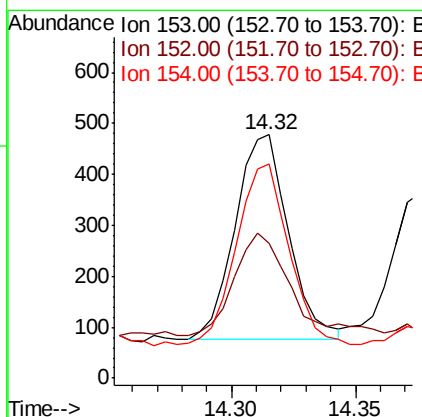
RT: 14.32 min Scan# 3066

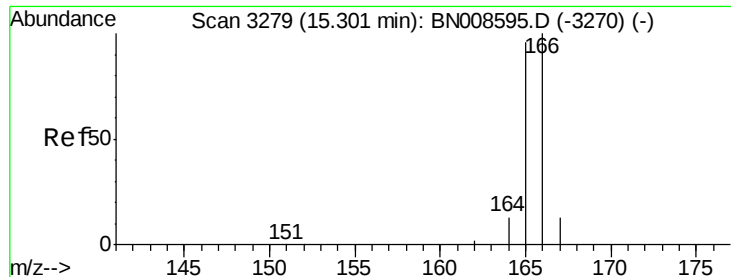
Delta R.T. 0.00 min

Lab File: BN008599.D

Acq: 18 Nov 2019 12:18

Tgt Ion:	153	Resp:	595
Ion Ratio	Lower	Upper	
153	100		
152	55.2	39.6	59.4
154	87.9	70.6	106.0





#9

Fluorene

Concen: 0.036 ng/ul

RT: 15.30 min Scan# 3279

Delta R.T. -0.00 min

Lab File: BN008599.D

Acq: 18 Nov 2019 12:18

Instrument :

BNA_N

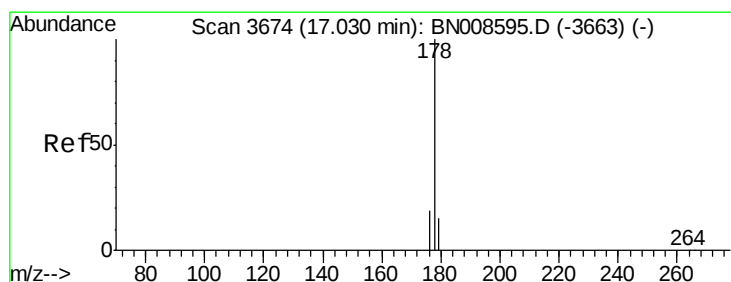
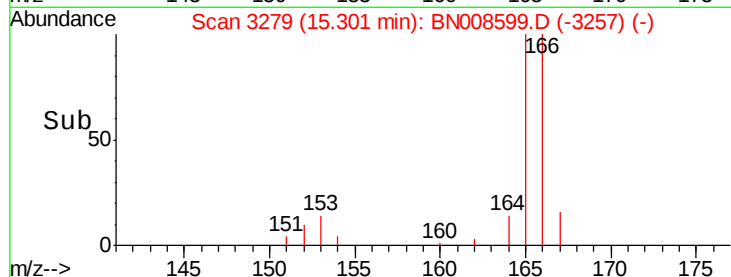
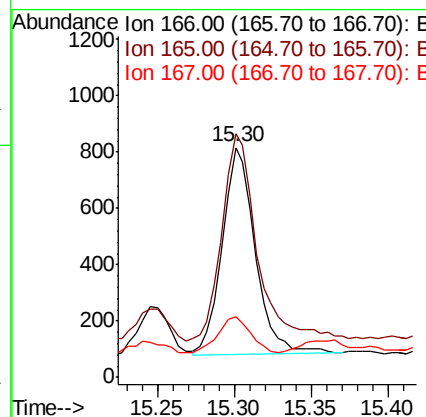
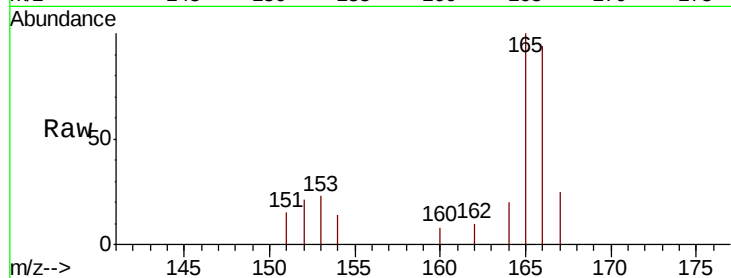
ClientSampleId :

JLM53DL

Tot Ion:	166	Resp:	1093
Ion	Ratio	Lower	Upper
166	100		
165	106.0	77.4	116.0
167	26.3	11.4	17.0#

Manual Integrations
APPROVED

mohammad
11/19/2019 2:43:58 PM



#12

Phenanthrene

Concen: 0.672 ng/ul

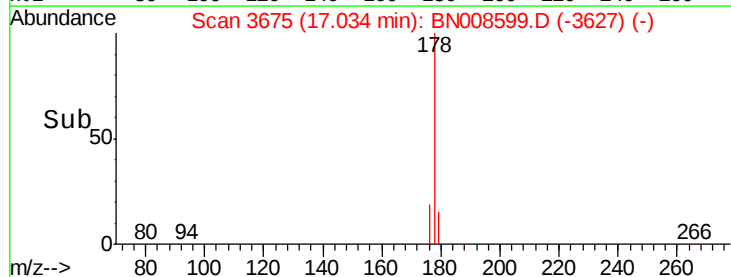
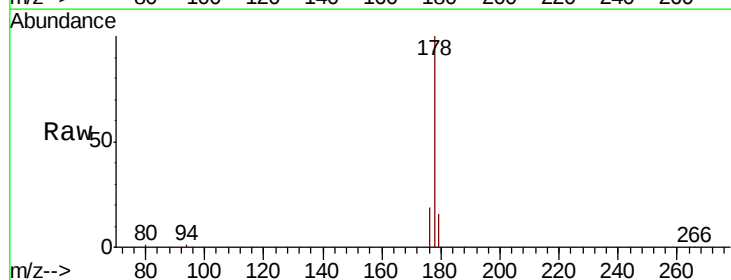
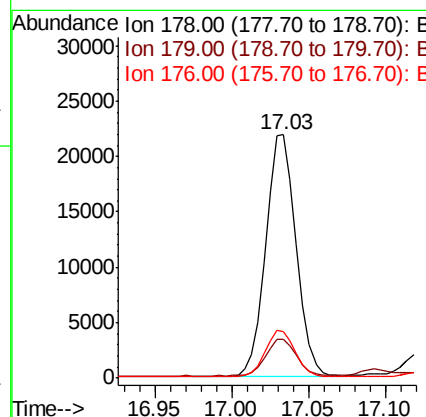
RT: 17.03 min Scan# 3675

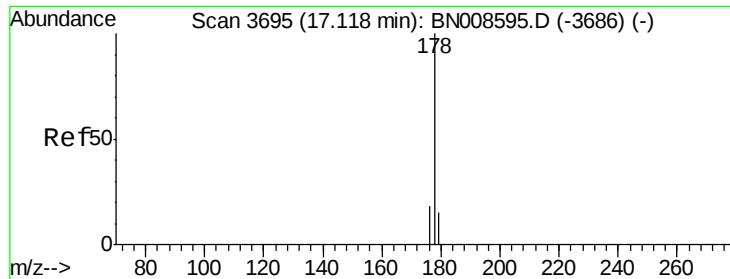
Delta R.T. 0.00 min

Lab File: BN008599.D

Acq: 18 Nov 2019 12:18

Tgt Ion:	178	Resp:	30112
Ion	Ratio	Lower	Upper
178	100		
179	16.0	12.8	19.2
176	19.2	16.0	24.0





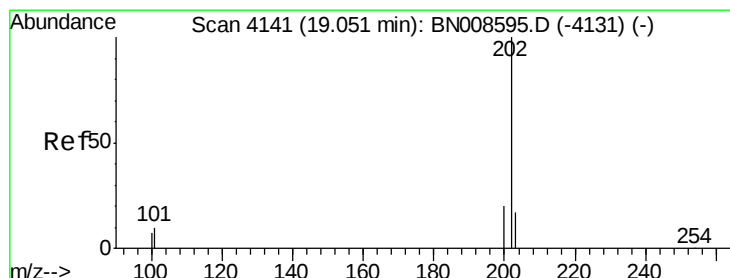
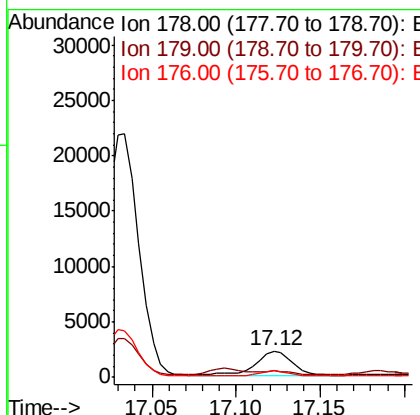
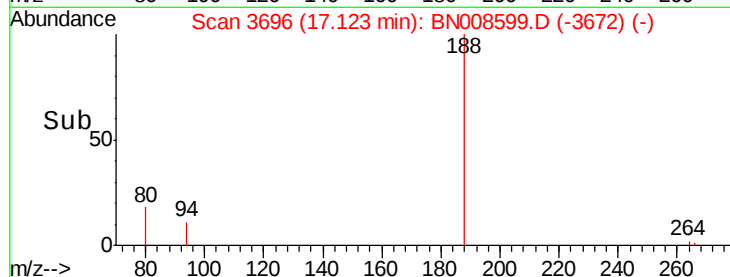
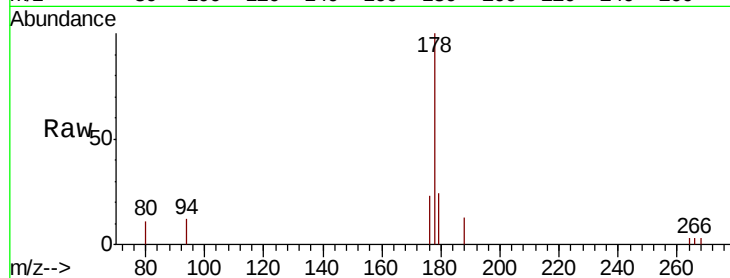
#13
 Anthracene
 Concen: 0.074 ng/ul
 RT: 17.12 min Scan# 3696
 Delta R.T. -0.00 min
 Lab File: BN008599.D
 Acq: 18 Nov 2019 12:18

Instrument :
 BNA_N
 ClientSampleId :
 JLM53DL

Tot Ion	Ratio	Lower	Upper
178	100		
179	23.8	13.0	19.4#
176	23.5	15.3	22.9#

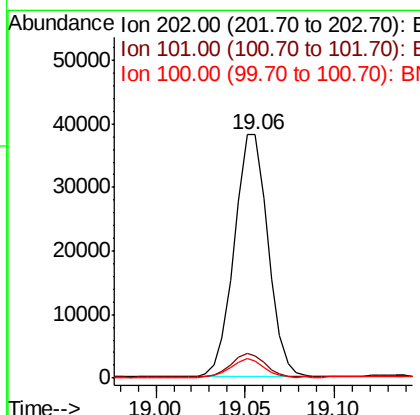
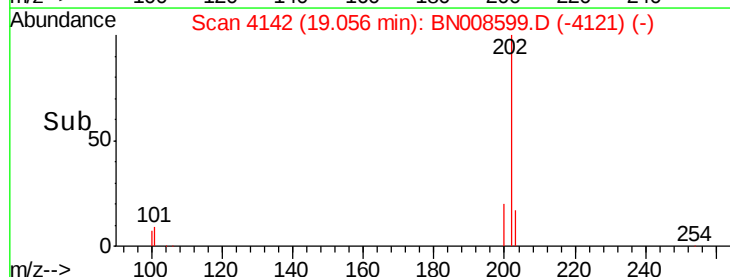
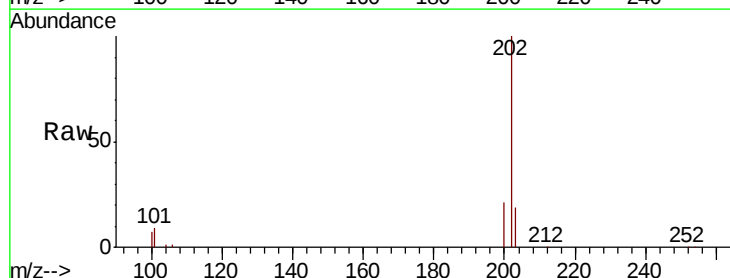
Manual Integrations
 APPROVED

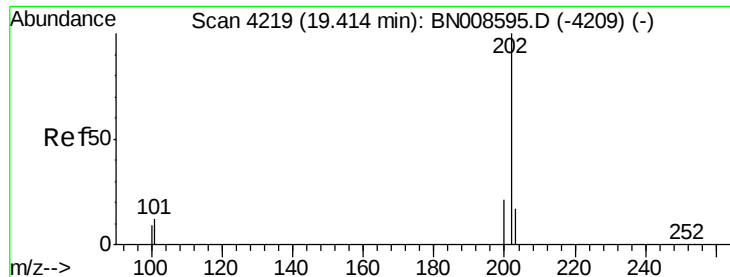
mohammad
 11/19/2019 2:43:58 PM



#15
 Fluoranthene
 Concen: 0.911 ng/ul
 RT: 19.06 min Scan# 4142
 Delta R.T. -0.00 min
 Lab File: BN008599.D
 Acq: 18 Nov 2019 12:18

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.3	0.0	29.6
100	7.2	0.0	27.0





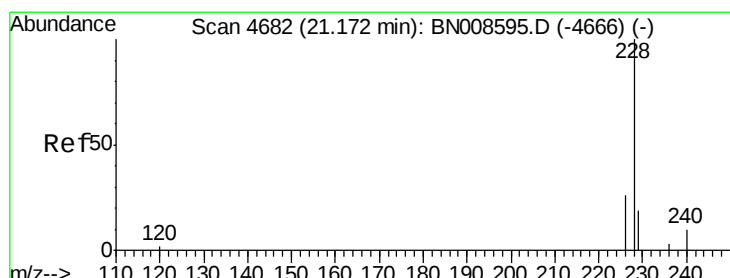
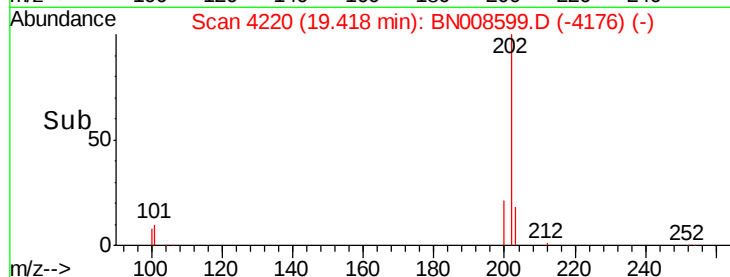
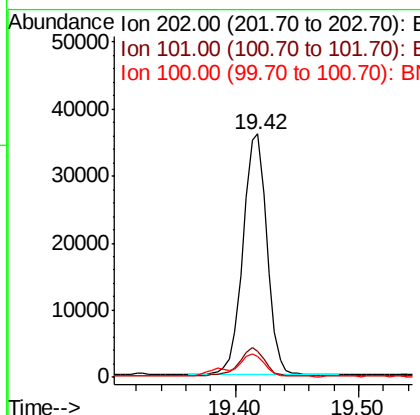
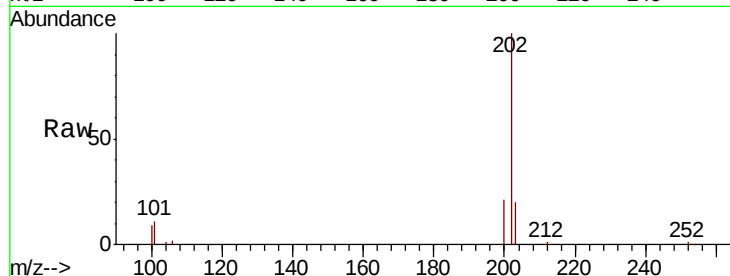
#17
Pvrene
Concen: 1.107 ng/ul
RT: 19.42 min Scan# 4220
Delta R.T. 0.00 min
Lab File: BN008599.D
Acq: 18 Nov 2019 12:18

Instrument :
BNA_N
ClientSampleId :
JLM53DL

Tot Ion	Ratio	Lower	Upper
202	100		
101	10.8	10.2	15.2
100	8.7	8.2	12.2

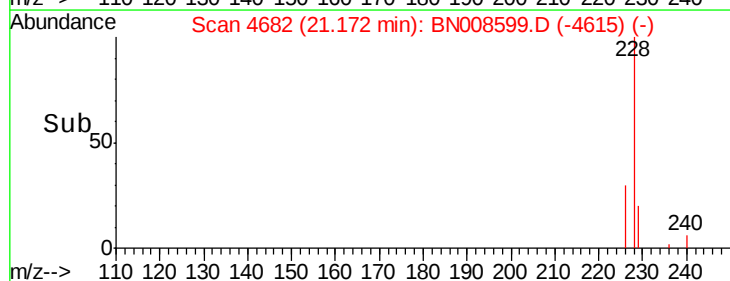
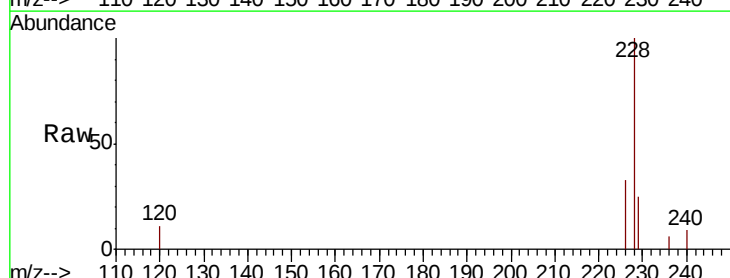
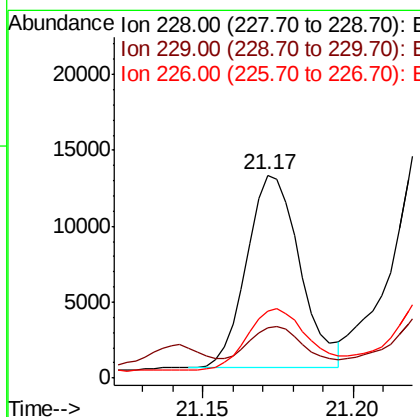
Manual Integrations
APPROVED

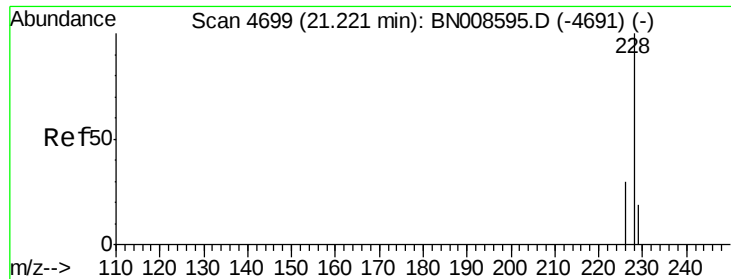
mohammad
11/19/2019 2:43:58 PM



#18
Benzo(a)anthracene
Concen: 0.353 ng/ul
RT: 21.17 min Scan# 4682
Delta R.T. -0.00 min
Lab File: BN008599.D
Acq: 18 Nov 2019 12:18

Tgt Ion	Ratio	Lower	Upper
228	100		
229	25.0	15.8	23.6#
226	33.2	21.6	32.4#





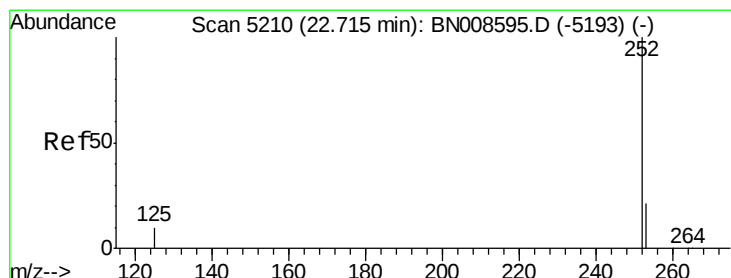
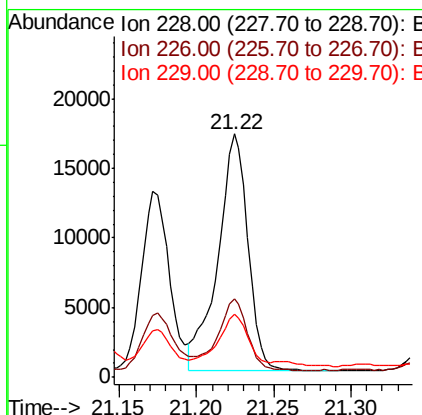
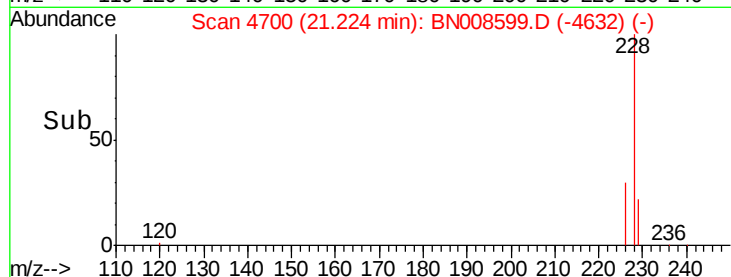
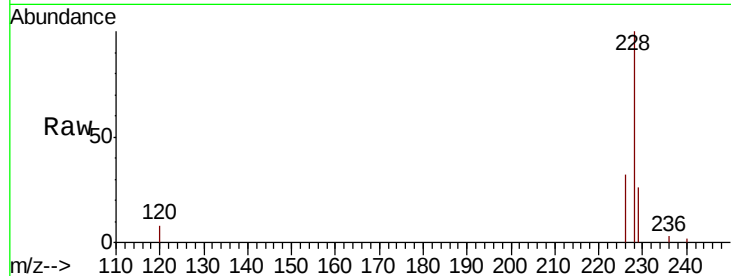
#19
Chrysene
Concen: 0.528 ng/ul
RT: 21.22 min Scan# 4700
Delta R.T. -0.00 min
Lab File: BN008599.D
Acq: 18 Nov 2019 12:18

Instrument :
BNA_N
ClientSampleId :
JLM53DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.1	24.5	36.7
229	26.0	15.5	23.3

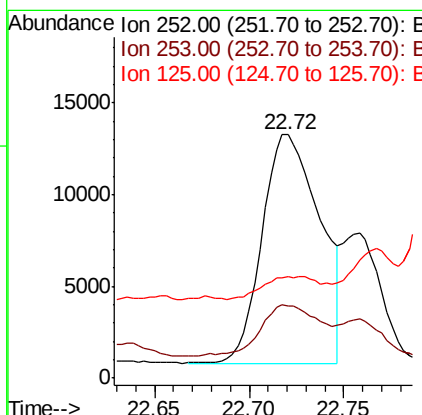
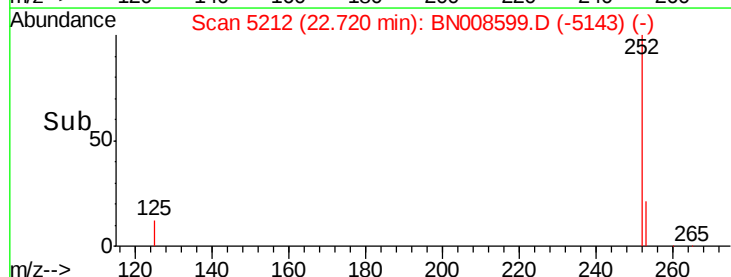
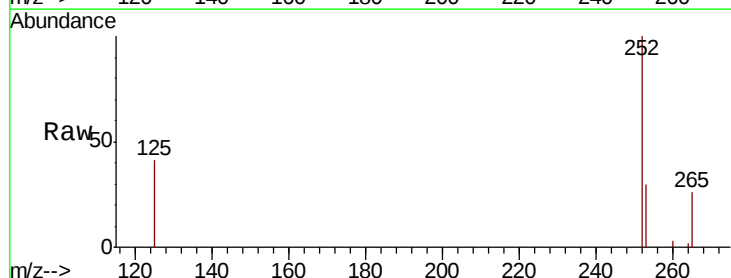
Manual Integrations
APPROVED

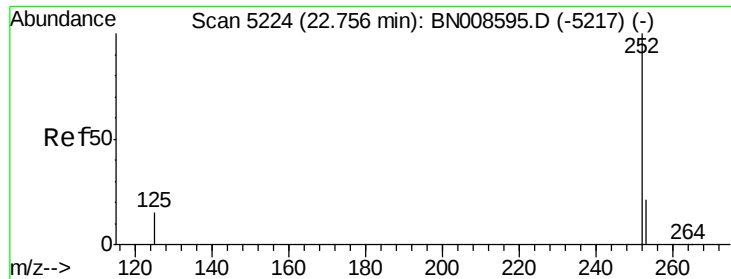
mohammad
11/19/2019 2:43:58 PM



#21
Benzo(b)fluoranthene
Concen: 0.551 ng/ul m
RT: 22.72 min Scan# 5212
Delta R.T. 0.00 min
Lab File: BN008599.D
Acq: 18 Nov 2019 12:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	29.7	0.0	50.2
125	41.5	0.0	30.0





#22

Benzo(k)fluoranthene

Concen: 0.209 ng/ul m

RT: 22.76 min Scan# 5225

Delta R.T. -0.00 min

Lab File: BN008599.D

Acq: 18 Nov 2019 12:18

Instrument :

BNA_N

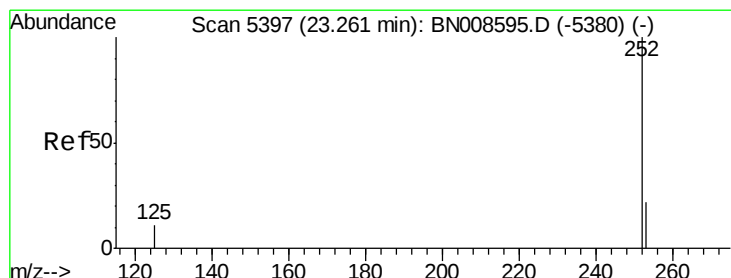
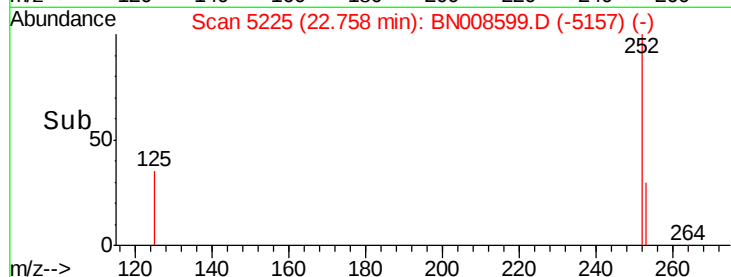
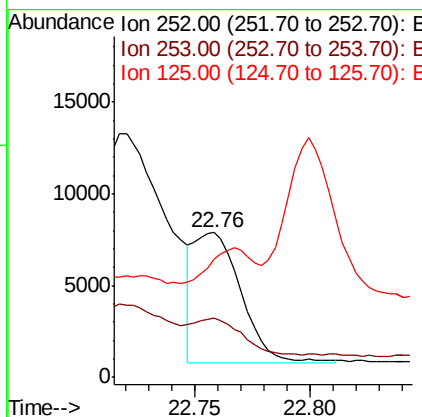
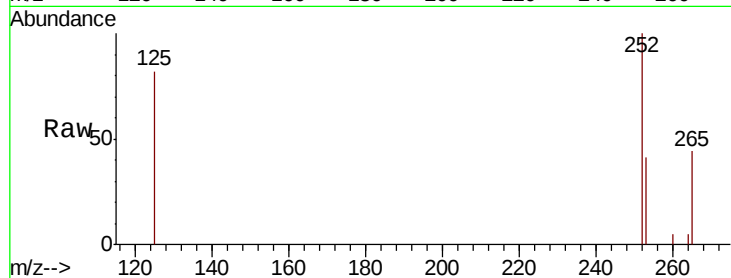
ClientSampleId :

JLM53DL

Tot Ion:	252	Resp:	10027
Ion Ratio	Lower	Upper	
252	100		
253	40.9	20.5	30.7#
125	82.0	15.0	22.4#

Manual Integrations
APPROVED

mohammad
11/19/2019 2:43:58 PM



#23

Benzo(a)pyrene

Concen: 0.448 ng/ul

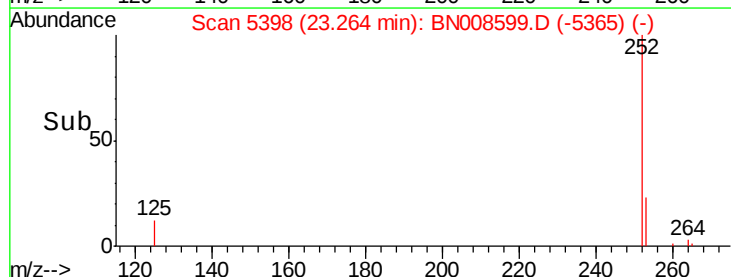
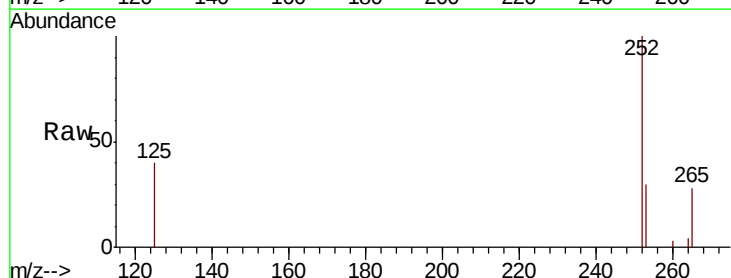
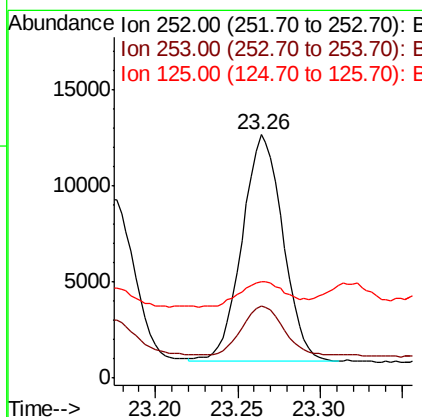
RT: 23.26 min Scan# 5398

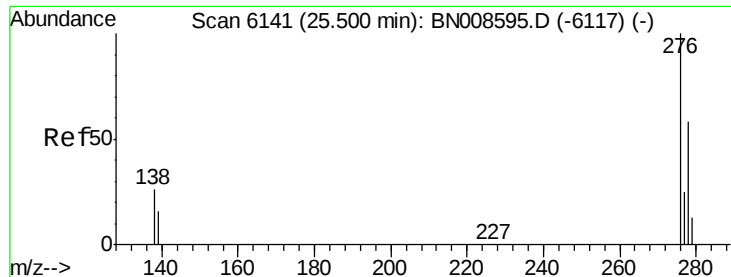
Delta R.T. -0.00 min

Lab File: BN008599.D

Acq: 18 Nov 2019 12:18

Tgt Ion:	252	Resp:	20351
Ion Ratio	Lower	Upper	
252	100		
253	29.7	21.4	32.2
125	39.7	13.8	20.8#





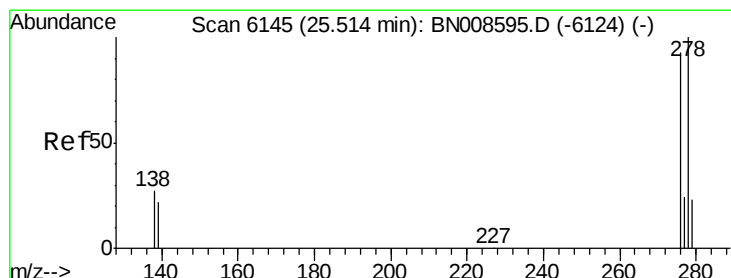
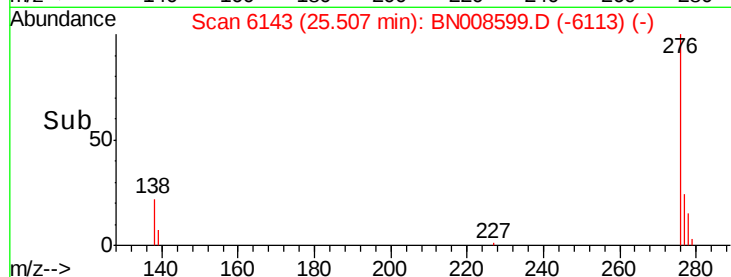
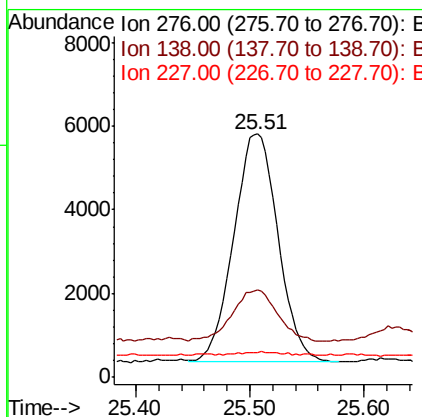
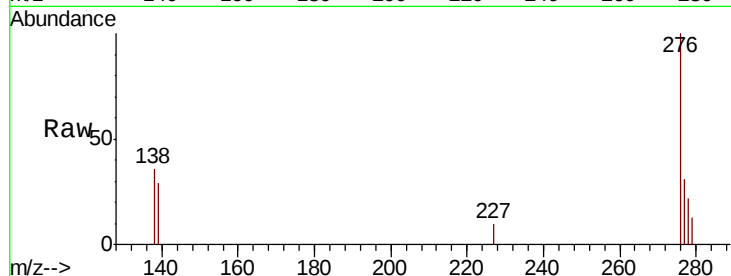
#24
 Indeno(1,2,3-cd)pyrene
 Concen: 0.275 ng/ul
 RT: 25.51 min Scan# 6143
 Delta R.T. -0.00 min
 Lab File: BN008599.D
 Acq: 18 Nov 2019 12:18

Instrument :
 BNA_N
 ClientSampleId :
 JLM53DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	23.3	21.7	32.5
227	1.8	0.2	0.2

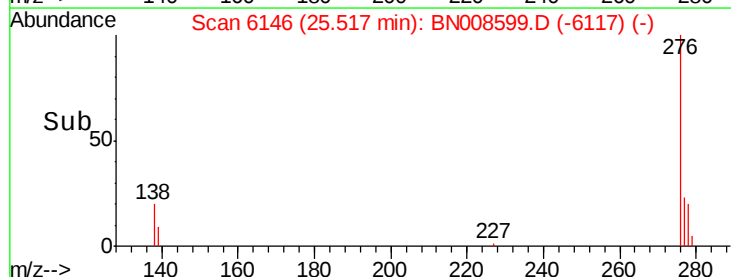
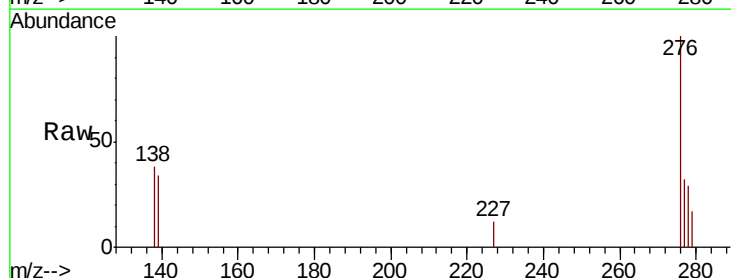
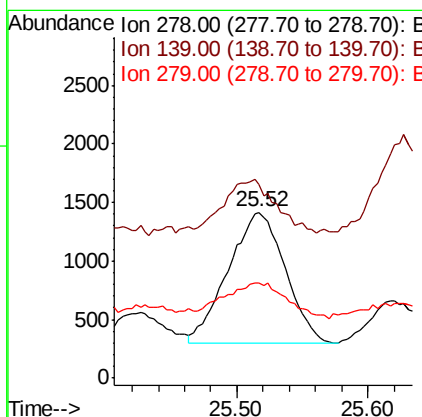
Manual Integrations
 APPROVED

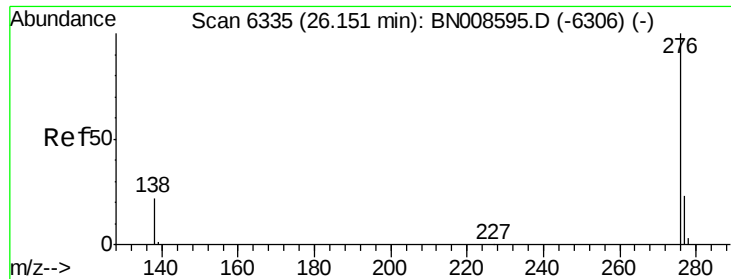
mohammad
 11/19/2019 2:43:58 PM



#25
 Dibenzo(a,h)anthracene
 Concen: 0.079 ng/ul
 RT: 25.52 min Scan# 6146
 Delta R.T. -0.00 min
 Lab File: BN008599.D
 Acq: 18 Nov 2019 12:18

Tgt Ion	Ratio	Lower	Upper
278	100		
139	117.1	18.7	28.1
279	57.3	20.8	31.2





#26

Benzo(a,h,i)perylene

Concen: 0.345 ng/ul

RT: 26.16 min Scan# 6338

Delta R.T. 0.01 min

Lab File: BN008599.D

Acq: 18 Nov 2019 12:18

Instrument :

BNA_N

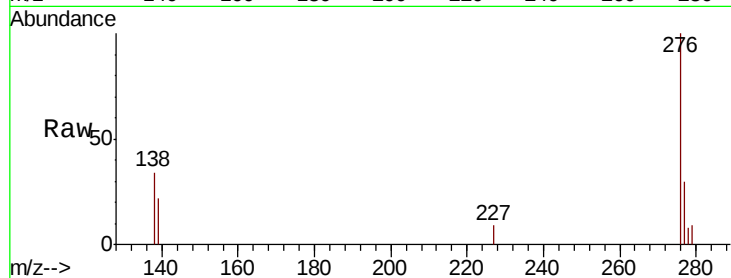
ClientSampleId :

JLM53DL

Tot Ion:	276	Resp:	15323
Ion Ratio	Lower	Upper	
276	100		
138	33.6	20.0	30.0#
277	29.6	20.0	30.0

Manual Integrations
APPROVED

mohammad
11/19/2019 2:43:58 PM



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

