

Data Path : Z:\HPCHEM1\BNA M\DATA\BM040717\
 Data File : BM009601.D
 Acq On : 06 Apr 2017 19:35
 Operator : SJ/MA
 Sample : I2525-20
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CB370

Manual Integrations
 APPROVED

mohammad
 4/7/2017 2:10:12 PM

Quant Time: Apr 07 03:27:03 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM040417-PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Apr 07 03:19:28 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	133080	20.00	ng/ul	0.00
2) Naphthalene-d8	10.63	136	519129	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.49	164	305082	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.23	188	715308m	20.00	ng/ul	0.00
18) Chrysene-d12	21.42	240	1027676m	20.00	ng/ul	0.00
23) Perylene-d12	23.74	264	974461m	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.25	165	271443	34.01	ng/uL	0.00
7) Acenaphthylene-d8	14.18	160	1091478	36.50	ng/ul	0.00
10) Fluorene-d10	15.48	176	782528	36.39	ng/ul	0.00
15) Anthracene-d10	17.33	188	1283853	37.51	ng/ul	0.00
19) Pyrene-d10	19.63	212	1573310	37.25	ng/ul	0.00
26) Benzo(a)pyrene-d12	23.59	264	1599406	37.17	ng/ul	0.00
Target Compounds				Qvalue		
8) Acenaphthylene	14.21	152	48872	1.63	ng/ul	97
9) Acenaphthene	14.55	153	30776	1.49	ng/ul	87
11) Fluorene	15.53	166	35487	1.41	ng/ul	93
14) Phenanthrene	17.27	178	803486m	19.98	ng/ul	
16) Anthracene	17.37	178	160091	3.85	ng/ul	97
17) Fluoranthene	19.29	202	1756105m	35.06	ng/ul	
20) Pyrene	19.66	202	1665493	29.76	ng/ul	96
21) Benzo(a)anthracene	21.40	228	1045353m	17.99	ng/ul	
22) Chrysene	21.45	228	1007105	18.91	ng/ul	97
24) Benzo(b)fluoranthene	23.04	252	1366141	22.67	ng/ul	99
25) Benzo(k)fluoranthene	23.07	252	401991m	7.00	ng/ul	
27) Benzo(a)pyrene	23.64	252	892577	15.58	ng/ul	98
28) Indeno(1,2,3-cd)pyrene	26.10	276	636948	9.92	ng/ul	95
29) Dibenzo(a,h)anthracene	26.10	278	179106	3.28	ng/ul#	78
30) Benzo(a,h,i)perylene	26.83	276	572581	10.81	ng/ul#	94

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

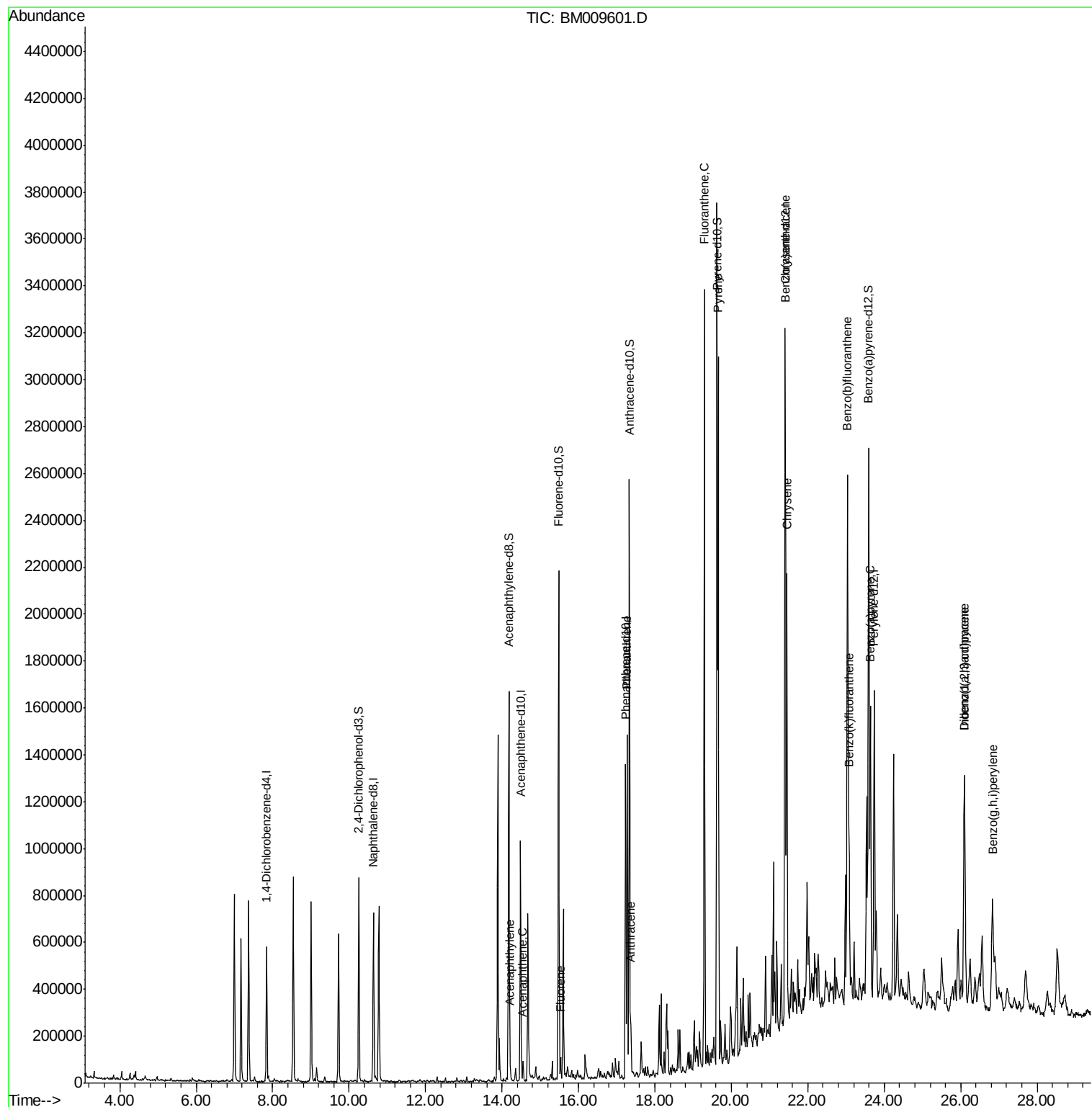
Data Path : Z:\HPCHEM1\BNA M\DATA\BM040717\
Data File : BM009601.D
Acq On : 06 Apr 2017 19:35
Operator : SJ/MA
Sample : I2525-20
Misc :
ALS Vial : 18 Sample Multiplier: 1

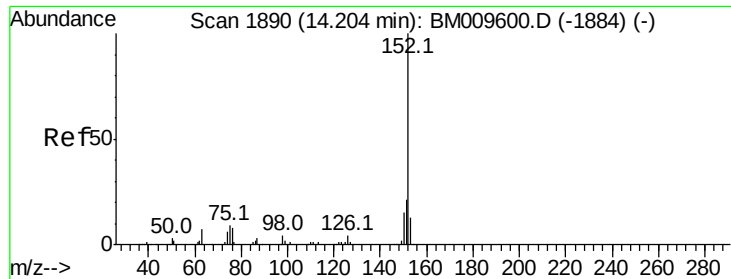
Instrument :
BNA_M
ClientSampled :
CB370

Manual Integrations
APPROVED

mohammad
4/7/2017 2:10:12 PM

Quant Time: Apr 07 03:27:03 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM040417-PAH.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Apr 07 03:19:28 2017
Response via : Initial Calibration





#8

Acenaphthylene

Concen: 1.63 ng/ul

RT: 14.21 min Scan# 1891

Delta R.T. 0.01 min

Lab File: BM009601.D

Acq: 06 Apr 2017 19:35

Instrument :

BNA_M

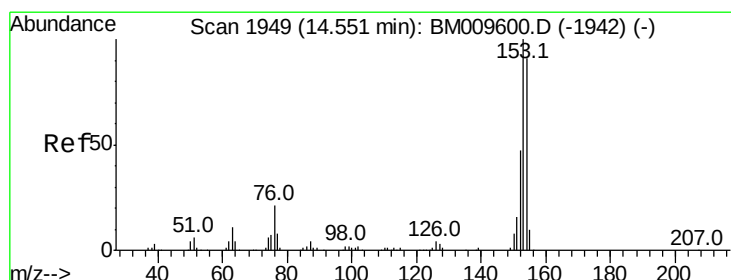
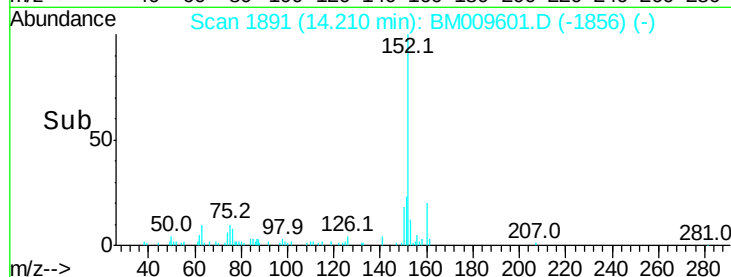
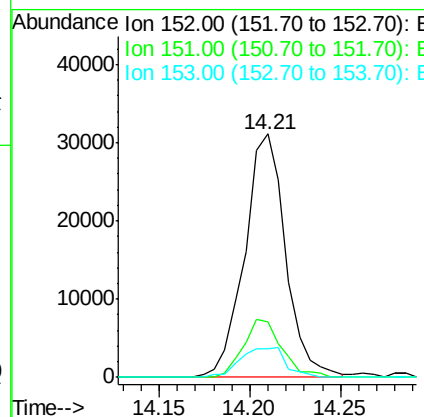
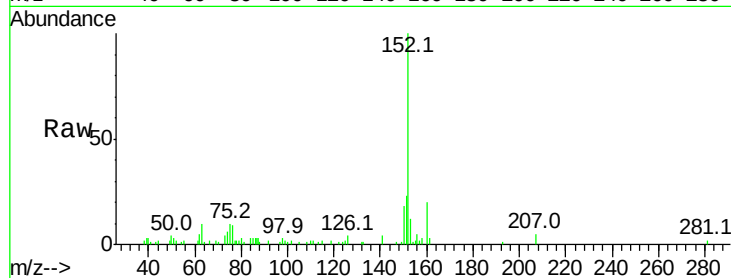
ClientSampleId :

CB370

Tot Ion:	152	Resp:	48872
Ion Ratio	Lower	Upper	
152	100		
151	22.8	17.5	26.3
153	11.9	10.6	16.0

Manual Integrations
APPROVED

mohammad
4/7/2017 2:10:12 PM



#9

Acenaphthene

Concen: 1.49 ng/ul

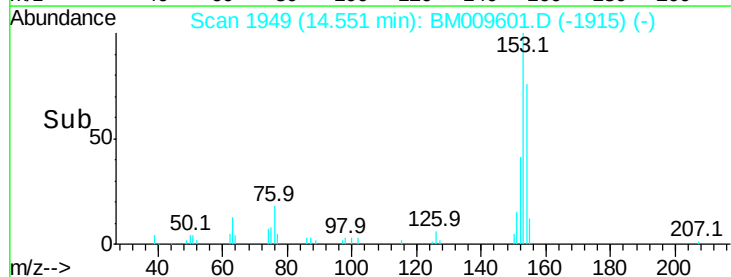
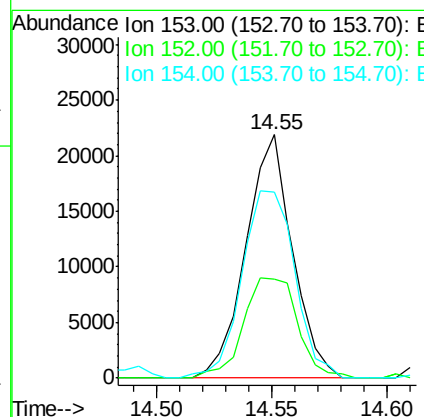
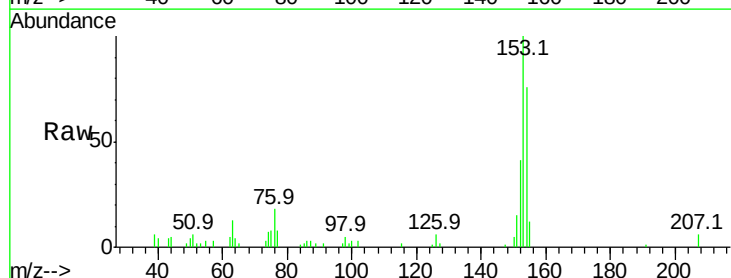
RT: 14.55 min Scan# 1949

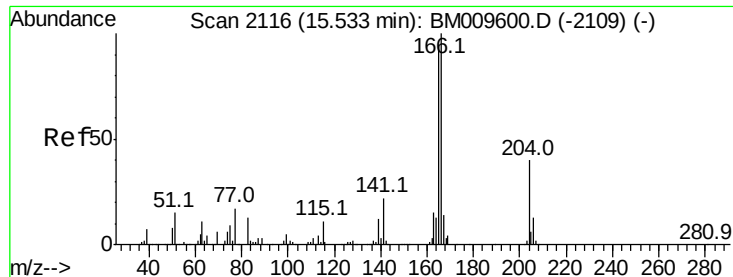
Delta R.T. 0.00 min

Lab File: BM009601.D

Acq: 06 Apr 2017 19:35

Tgt Ion:	153	Resp:	30776
Ion Ratio	Lower	Upper	
153	100		
152	40.8	37.9	56.9
154	76.2	71.6	107.4





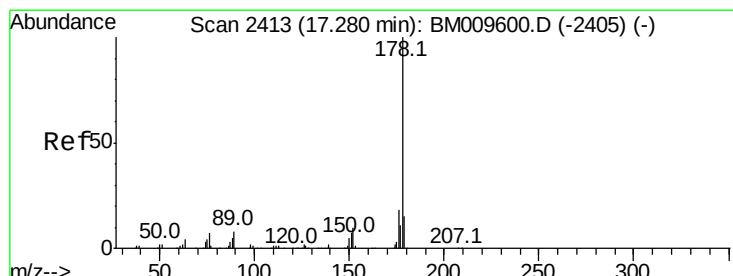
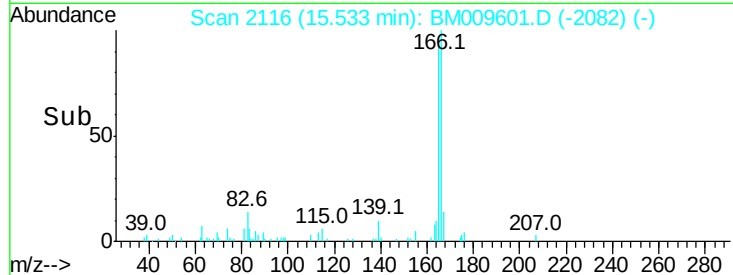
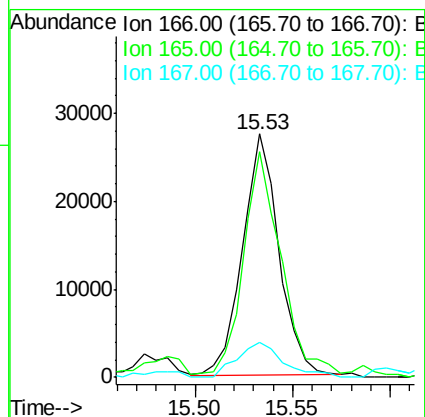
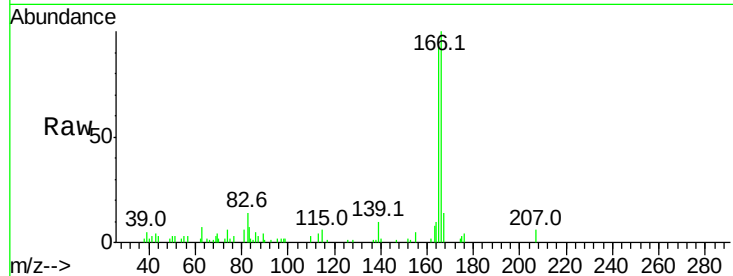
#11
 Fluorene
 Concen: 1.41 ng/ul
 RT: 15.53 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: BM009601.D
 Acq: 06 Apr 2017 19:35

Instrument :
 BNA_M
 ClientSampleId :
 CB370

Tot Ion:	166	Resp:	35487
Ion Ratio	Lower	Upper	
166	100		
165	92.5	80.0	120.0
167	14.5	11.6	17.4

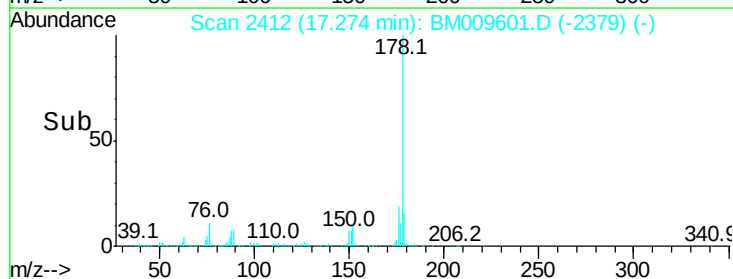
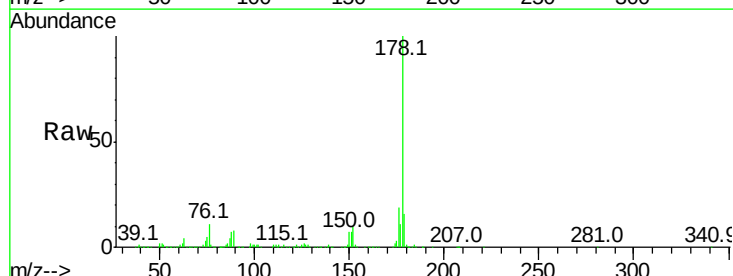
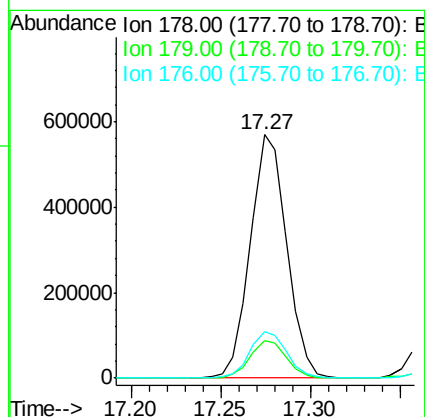
Manual Integrations
 APPROVED

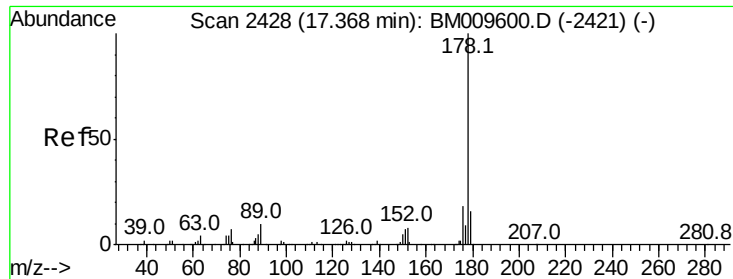
mohammad
 4/7/2017 2:10:12 PM



#14
 Phenanthrene
 Concen: 19.98 ng/ul m
 RT: 17.27 min Scan# 2412
 Delta R.T. -0.01 min
 Lab File: BM009601.D
 Acq: 06 Apr 2017 19:35

Tgt Ion:	178	Resp:	803486
Ion Ratio	Lower	Upper	
178	100		
179	15.5	12.2	18.4
176	19.3	16.4	24.6





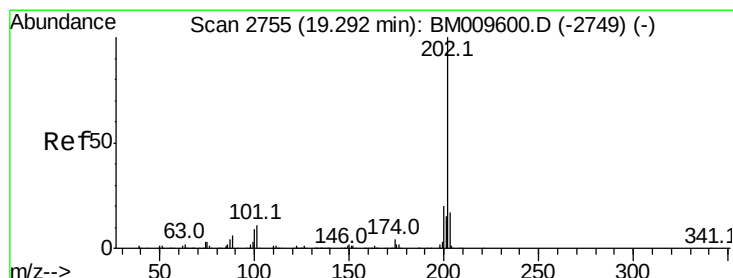
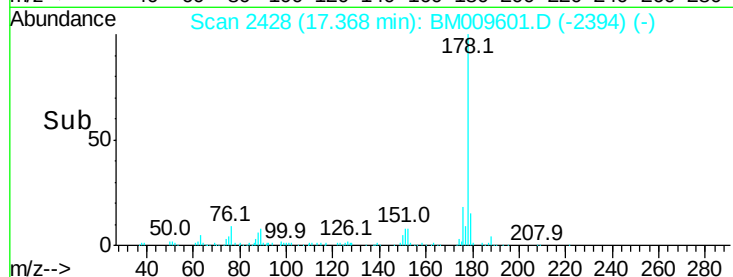
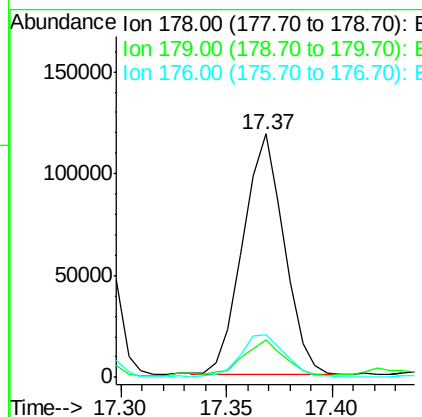
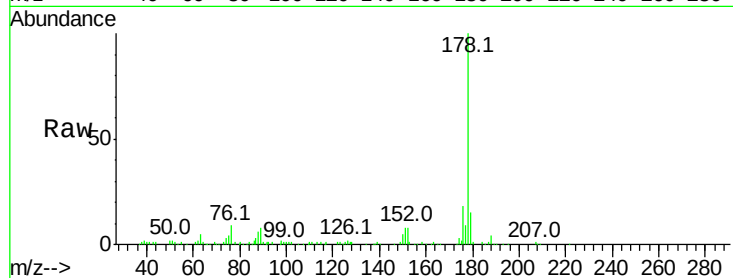
#16
 Anthracene
 Concen: 3.85 ng/ul
 RT: 17.37 min Scan# 2428
 Delta R.T. 0.00 min
 Lab File: BM009601.D
 Acq: 06 Apr 2017 19:35

Instrument :
 BNA_M
 ClientSampleId :
 CB370

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.2	12.7	19.1
176	17.5	15.8	23.8

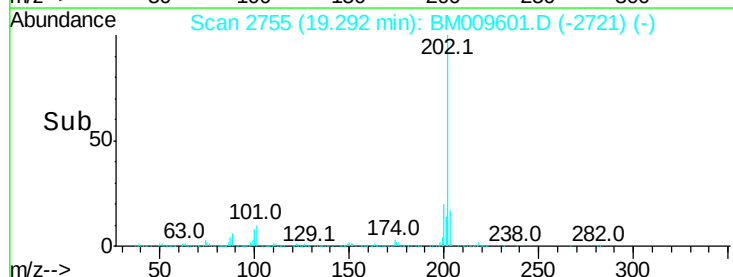
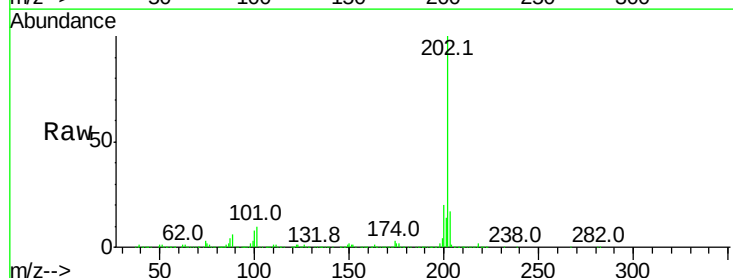
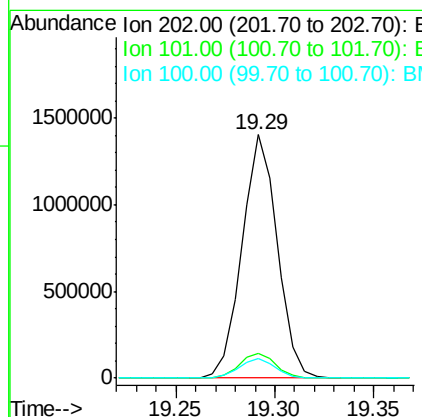
Manual Integrations
 APPROVED

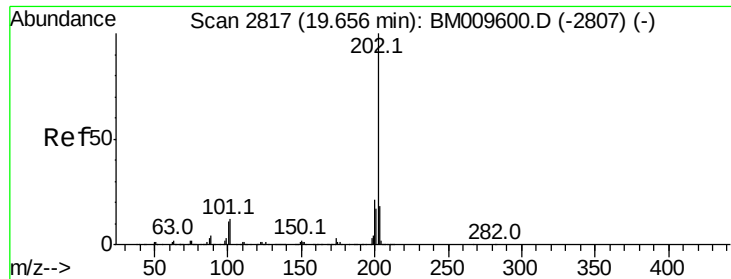
mohammad
 4/7/2017 2:10:12 PM



#17
 Fluoranthene
 Concen: 35.06 ng/ul m
 RT: 19.29 min Scan# 2755
 Delta R.T. 0.00 min
 Lab File: BM009601.D
 Acq: 06 Apr 2017 19:35

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.9	9.8	14.8
100	8.3	7.5	11.3





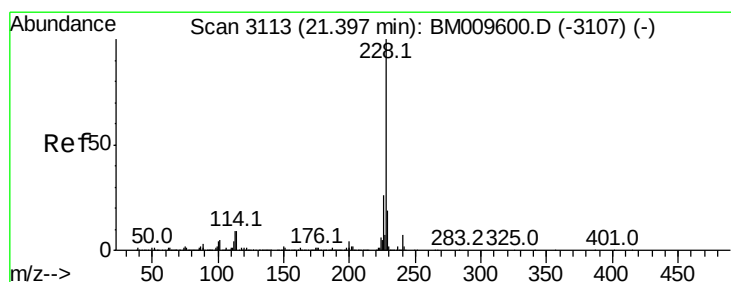
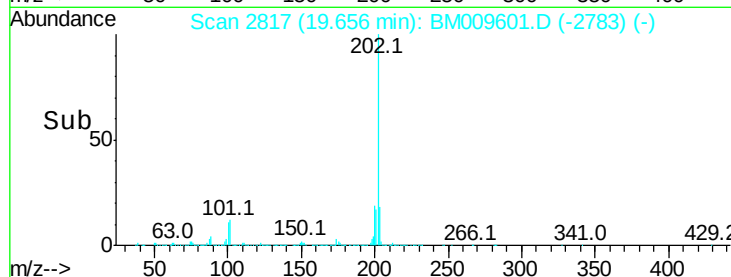
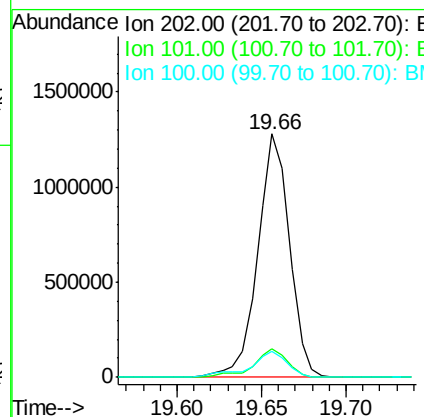
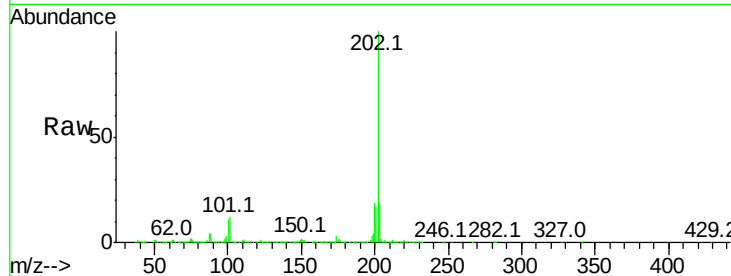
#20
 Pvrene
 Concen: 29.76 ng/ul
 RT: 19.66 min Scan# 2817
 Delta R.T. 0.00 min
 Lab File: BM009601.D
 Acq: 06 Apr 2017 19:35

Instrument :
 BNA_M
 ClientSampleId :
 CB370

Tot Ion	Ratio	Lower	Upper
202	100		
101	12.0	11.2	16.8
100	10.9	9.8	14.6

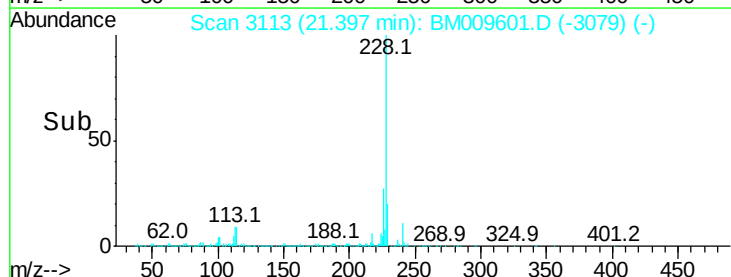
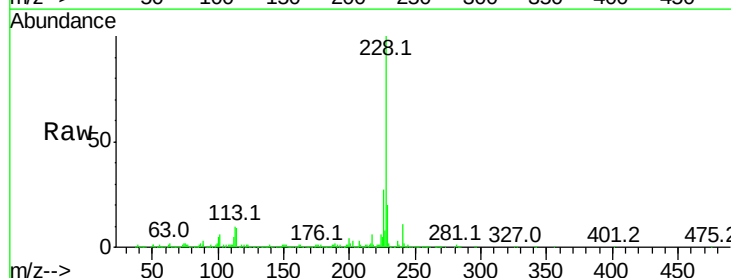
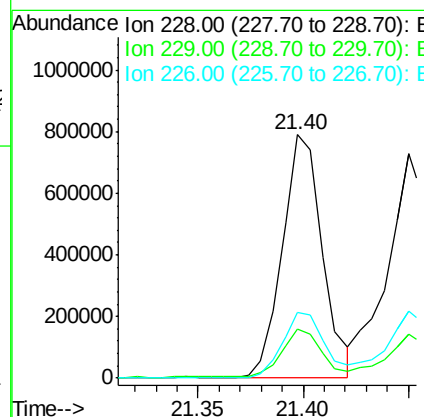
Manual Integrations
 APPROVED

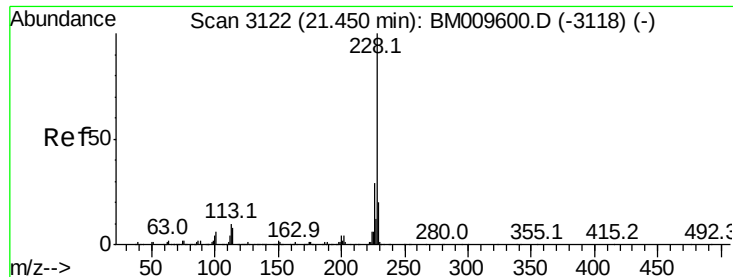
mohammad
 4/7/2017 2:10:12 PM



#21
 Benzo(a)anthracene
 Concen: 17.99 ng/ul m
 RT: 21.40 min Scan# 3113
 Delta R.T. 0.00 min
 Lab File: BM009601.D
 Acq: 06 Apr 2017 19:35

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.2	15.9	23.9
226	26.8	22.1	33.1





#22

Chrysene

Concen: 18.91 ng/ul

RT: 21.45 min Scan# 3122

Delta R.T. 0.00 min

Lab File: BM009601.D

Acq: 06 Apr 2017 19:35

Instrument :

BNA_M

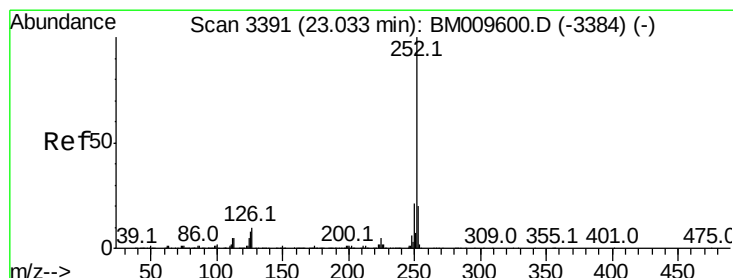
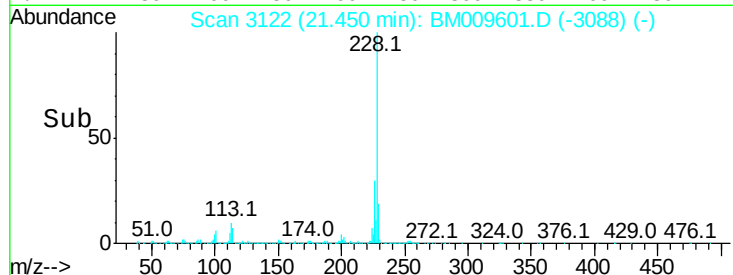
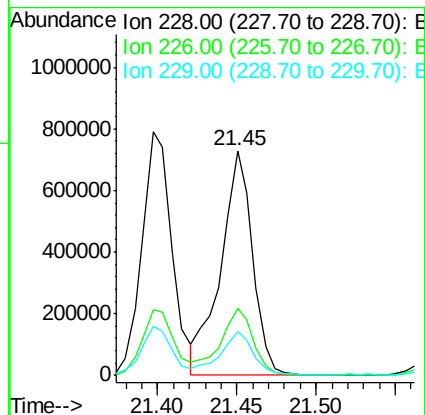
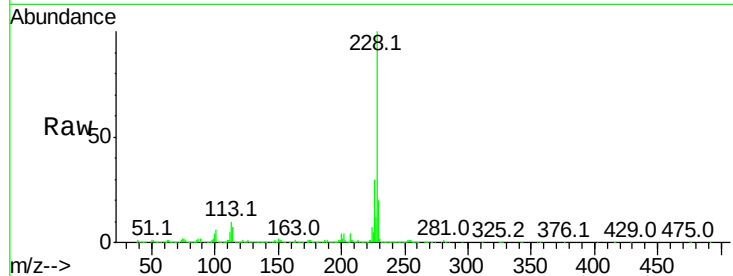
ClientSampleId :

CB370

Tot Ion:	228	Resp:	1007105
Ion	Ratio	Lower	Upper
228	100		
226	29.9	25.0	37.6
229	19.6	16.6	25.0

Manual Integrations
APPROVED

mohammad
4/7/2017 2:10:12 PM



#24

Benzo(b)fluoranthene

Concen: 22.67 ng/ul

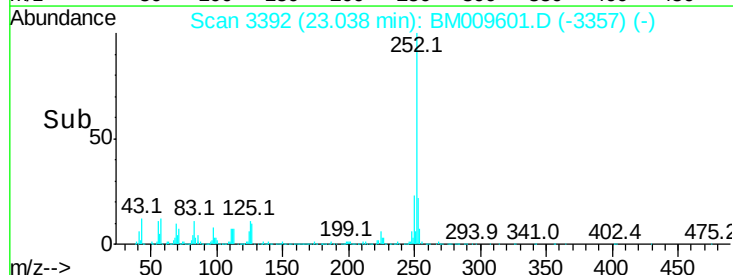
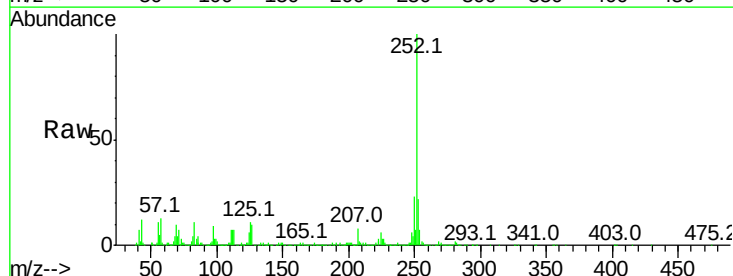
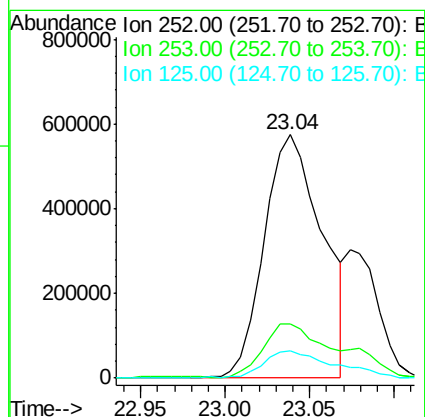
RT: 23.04 min Scan# 3392

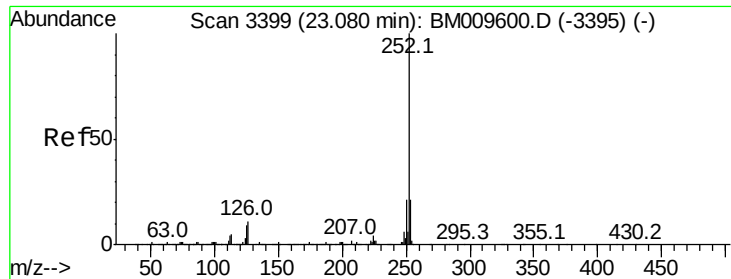
Delta R.T. 0.01 min

Lab File: BM009601.D

Acq: 06 Apr 2017 19:35

Tgt Ion:	252	Resp:	1366141
Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.8	26.6
125	11.2	9.4	14.0





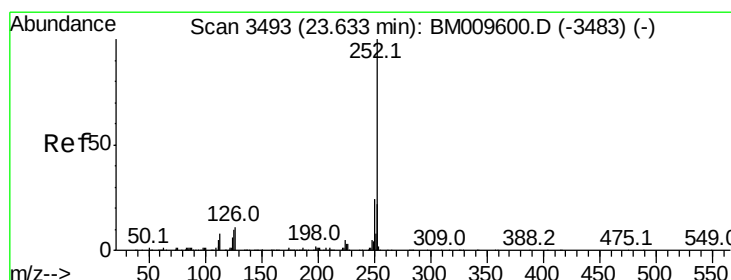
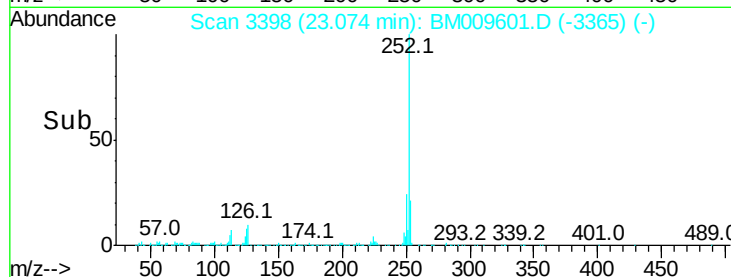
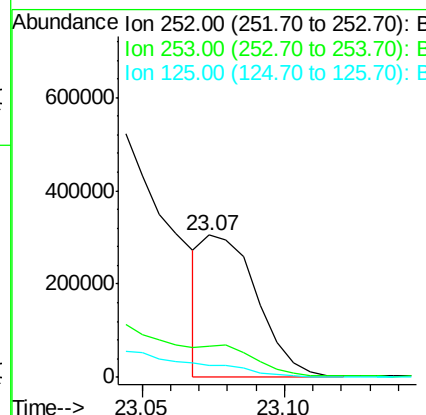
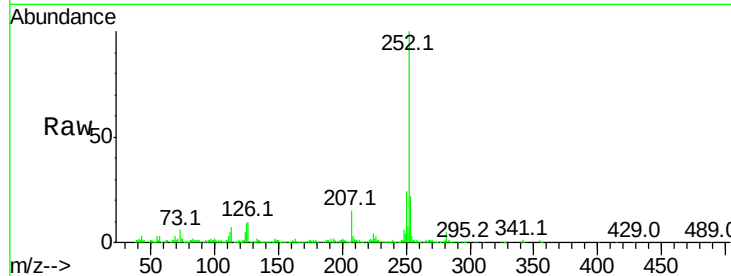
#25
Benzo(k)fluoranthene
Concen: 7.00 ng/ul m
RT: 23.07 min Scan# 3398
Delta R.T. -0.01 min
Lab File: BM009601.D
Acq: 06 Apr 2017 19:35

Instrument :
BNA_M
ClientSampleId :
CB370

Tot Ion	Ratio	Resp	Lower	Upper
252	100	401991		
253	22.0		17.4	26.2
125	8.5		8.8	13.2

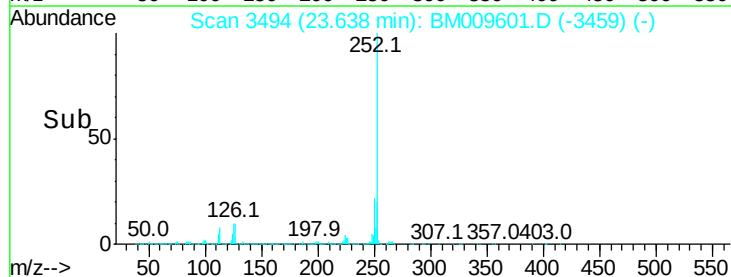
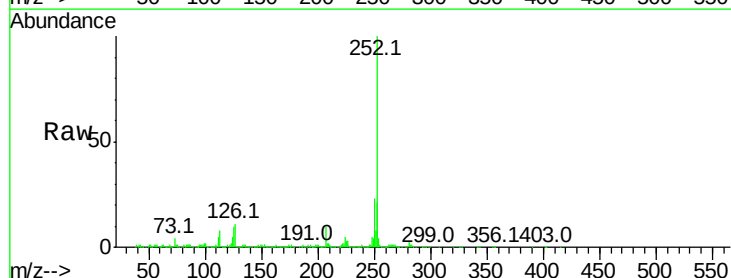
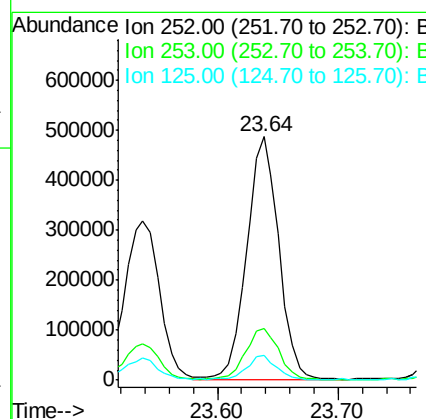
Manual Integrations
APPROVED

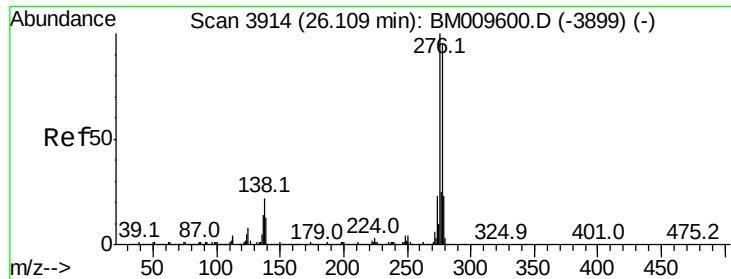
mohammad
4/7/2017 2:10:12 PM



#27
Benzo(a)pyrene
Concen: 15.58 ng/ul
RT: 23.64 min Scan# 3494
Delta R.T. 0.01 min
Lab File: BM009601.D
Acq: 06 Apr 2017 19:35

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	892577		
253	21.1		17.1	25.7
125	10.1		9.4	14.2





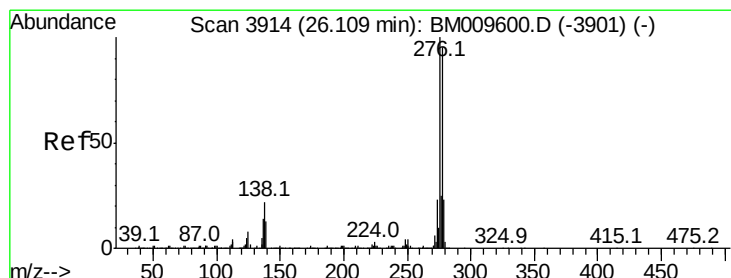
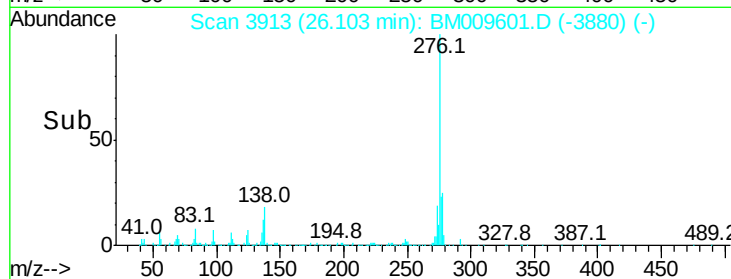
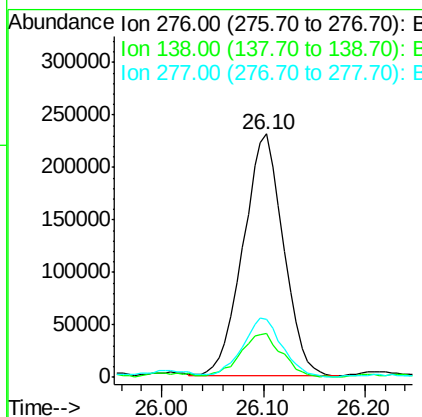
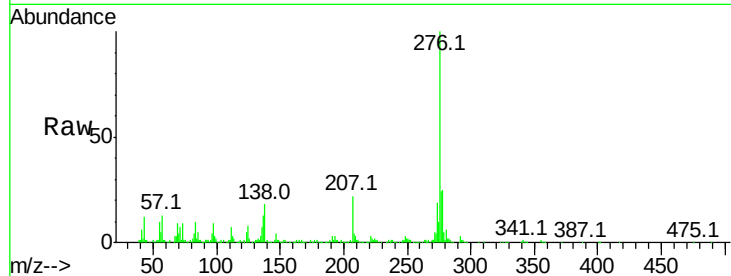
#28
 Indeno(1,2,3-cd)pyrene
 Concen: 9.92 ng/ul
 RT: 26.10 min Scan# 3913
 Delta R.T. -0.01 min
 Lab File: BM009601.D
 Acq: 06 Apr 2017 19:35

Instrument :
 BNA_M
 ClientSampleId :
 CB370

Tot Ion	Ratio	Lower	Upper
276	100		
138	18.1	17.8	26.6
277	23.6	19.4	29.0

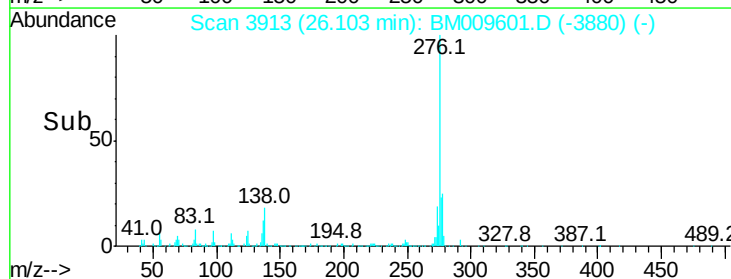
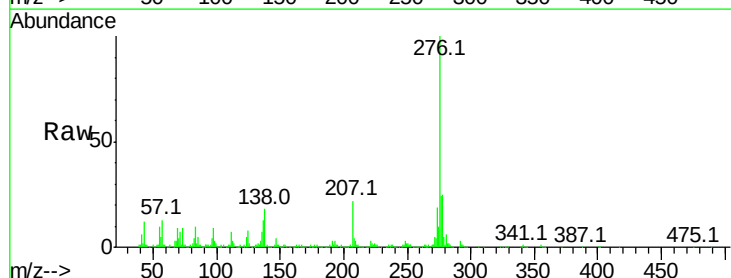
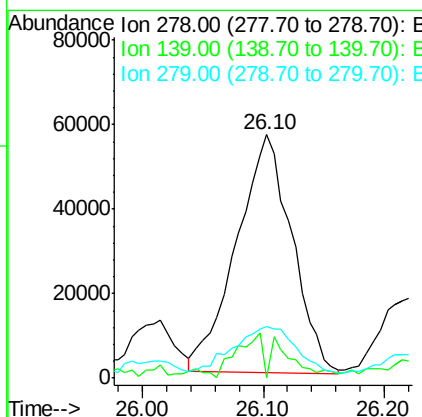
Manual Integrations
 APPROVED

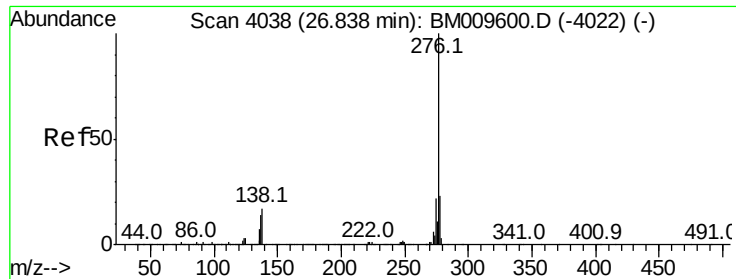
mohammad
 4/7/2017 2:10:12 PM



#29
 Dibenzo(a,h)anthracene
 Concen: 3.28 ng/ul
 RT: 26.10 min Scan# 3913
 Delta R.T. -0.01 min
 Lab File: BM009601.D
 Acq: 06 Apr 2017 19:35

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	14.0	21.0#
279	21.0	20.6	31.0





#30

Benzo(a,h,i)perylene

Concen: 10.81 ng/ul

RT: 26.83 min Scan# 4037

Delta R.T. -0.01 min

Lab File: BM009601.D

Acq: 06 Apr 2017 19:35

Instrument :

BNA_M

ClientSampleId :

CB370

Tot Ion:	276	Resp:	572581
Ion Ratio		Lower	Upper
276	100		
138	18.1	19.0	28.4#
277	24.8	19.7	29.5

Manual Integrations
APPROVED

mohammad
4/7/2017 2:10:12 PM

