

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM031717\
 Data File : BM009282.D
 Acq On : 17 Mar 2017 20:00
 Operator : SJ/MA
 Sample : I2285-04
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CB320

Manual Integrations
 APPROVED

mohammad
 3/20/2017 12:08:52 PM

Quant Time: Mar 18 01:01:01 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM031717-PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Mar 18 00:39:50 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.87	152	115071	20.00	ng/ul	0.00
2) Naphthalene-d8	10.67	136	532185	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.52	164	362711	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.26	188	955959	20.00	ng/ul	0.00
18) Chrysene-d12	21.44	240	1492637	20.00	ng/ul	0.00
23) Perylene-d12	23.77	264	1543855	20.00	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 2,4-Dichlorophenol-d3	10.29	165	7925	0.92	ng/uL	0.00
7) Acenaphthylene-d8	14.21	160	508186	16.53	ng/ul	0.00
10) Fluorene-d10	15.50	176	430776	15.98	ng/ul	0.00
15) Anthracene-d10	17.36	188	737447	16.24	ng/ul	0.00
19) Pyrene-d10	19.65	212	968847	16.19	ng/ul	0.00
26) Benzo(a)pyrene-d12	23.62	264	1098414	15.65	ng/ul	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Naphthalene	10.73	128	30088	1.11	ng/ul#	95
8) Acenaphthylene	14.24	152	31665	1.02	ng/ul#	90
9) Acenaphthene	14.58	153	58301	2.59	ng/ul	93
11) Fluorene	15.56	166	56837	1.84	ng/ul	95
14) Phenanthrene	17.30	178	1151598	21.39	ng/ul	97
16) Anthracene	17.39	178	245610	4.40	ng/ul	98
17) Fluoranthene	19.32	202	2198131	32.22	ng/ul	96
20) Pyrene	19.68	202	1928387	25.04	ng/ul	96
21) Benzo(a)anthracene	21.42	228	1218969	14.35	ng/ul	99
22) Chrysene	21.47	228	1141587	14.23	ng/ul	96
24) Benzo(b)fluoranthene	23.06	252	1620787m	17.84	ng/ul	
25) Benzo(k)fluoranthene	23.10	252	614733m	7.17	ng/ul	
27) Benzo(a)pyrene	23.67	252	1139491m	13.03	ng/ul	
28) Indeno(1,2,3-cd)pyrene	26.14	276	730657	7.04	ng/ul#	93
29) Dibenzo(a,h)anthracene	26.15	278	199673	2.28	ng/ul	97
30) Benzo(g,h,i)perylene	26.88	276	621098	7.19	ng/ul#	93

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

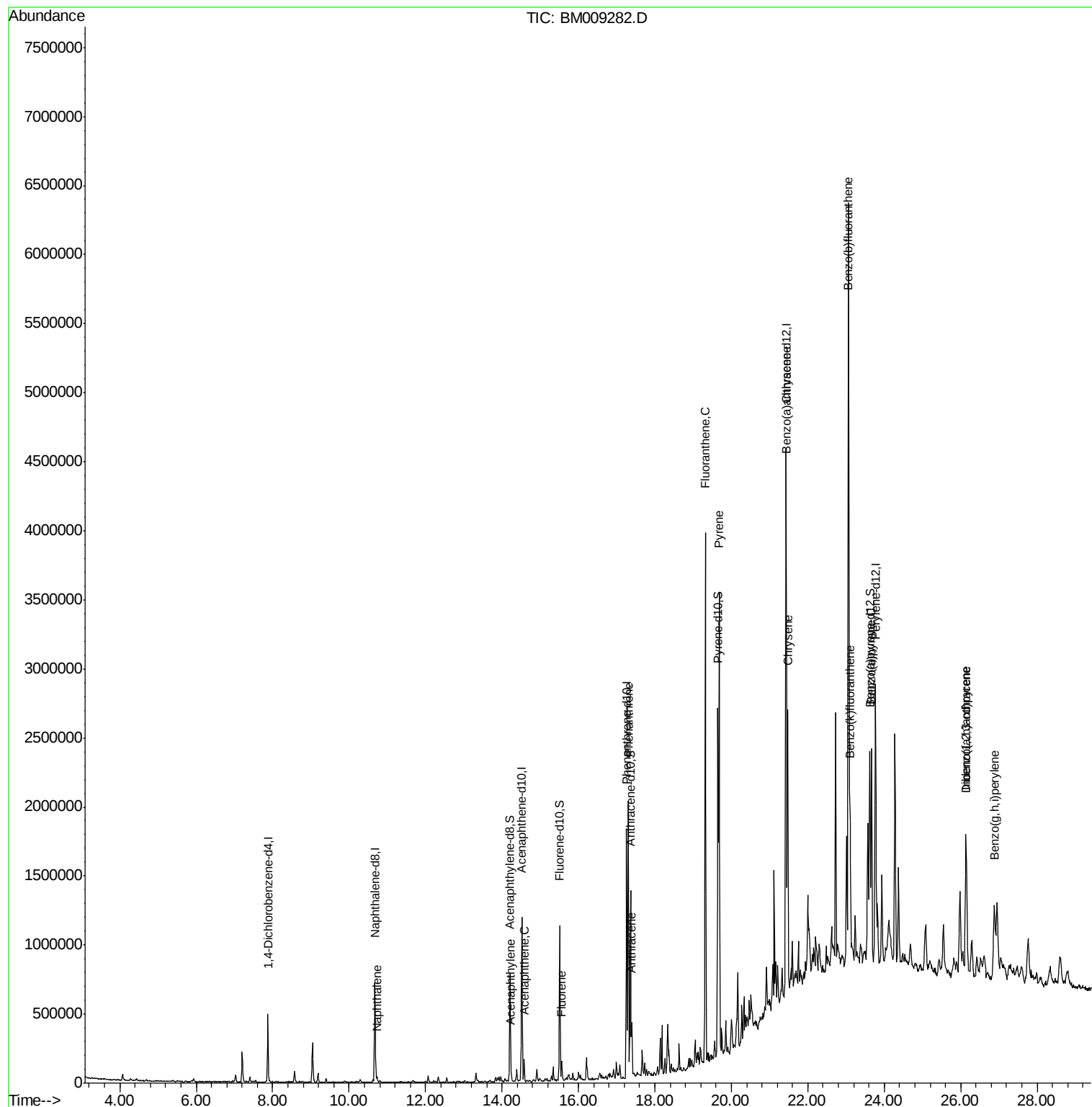
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM031717\
Data File : BM009282.D
Acq On : 17 Mar 2017 20:00
Operator : SJ/MA
Sample : I2285-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

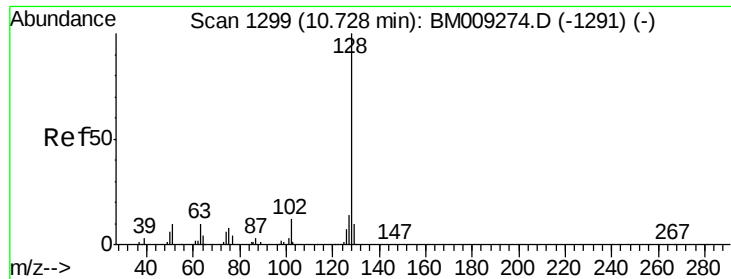
Instrument :
BNA_M
ClientSampleId :
CB320

Manual Integrations
APPROVED

mohammad
3/20/2017 12:08:52 PM

Quant Time: Mar 18 01:01:01 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM031717-PAH.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Mar 18 00:39:50 2017
Response via : Initial Calibration





#4

Naphthalene

Concen: 1.11 ng/ul

RT: 10.73 min Scan# 1299

Delta R.T. 0.00 min

Lab File: BM009282.D

Acq: 17 Mar 2017 20:00

Instrument :

BNA_M

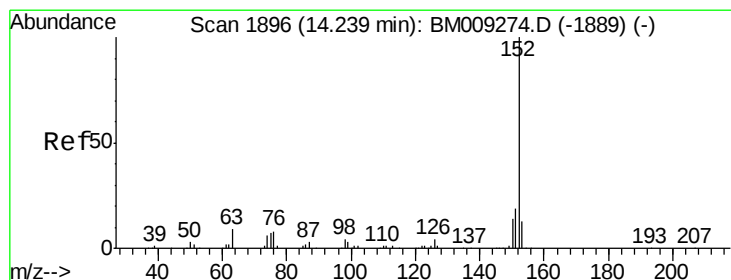
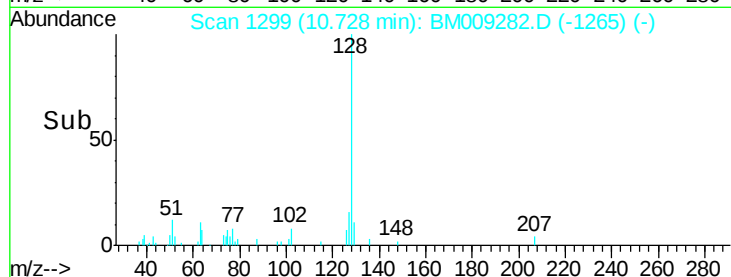
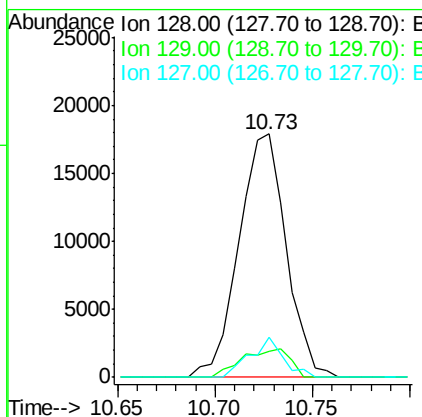
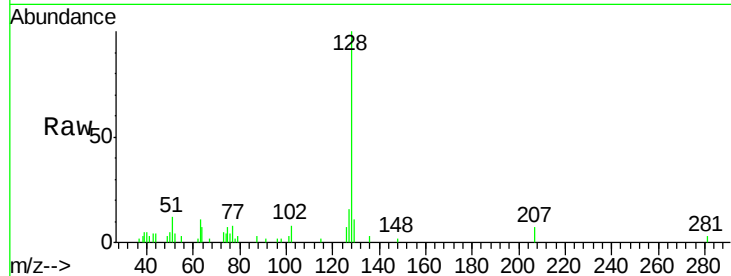
ClientSampleId :

CB320

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	30088		
129	10.7	9.1	13.7	
127	16.4	10.6	15.8	

Manual Integrations
APPROVED

mohammad
3/20/2017 12:08:52 PM



#8

Acenaphthylene

Concen: 1.02 ng/ul

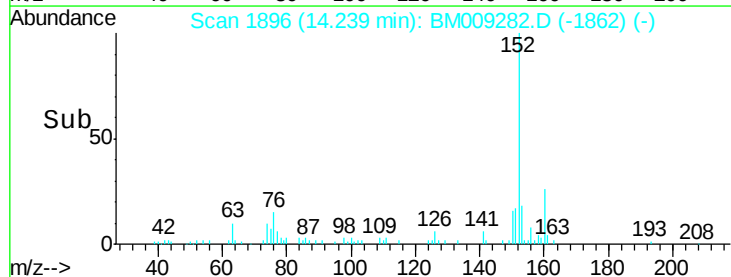
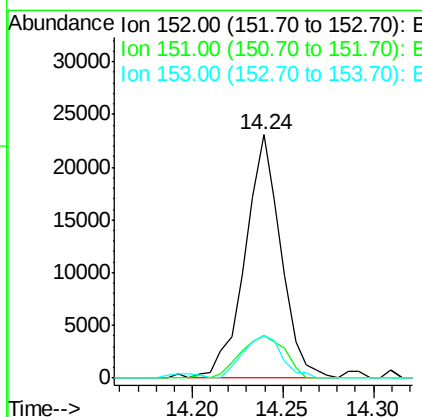
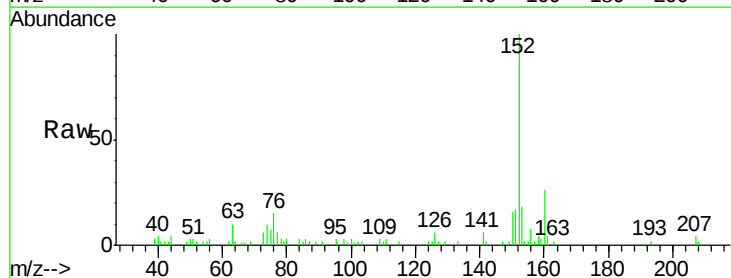
RT: 14.24 min Scan# 1896

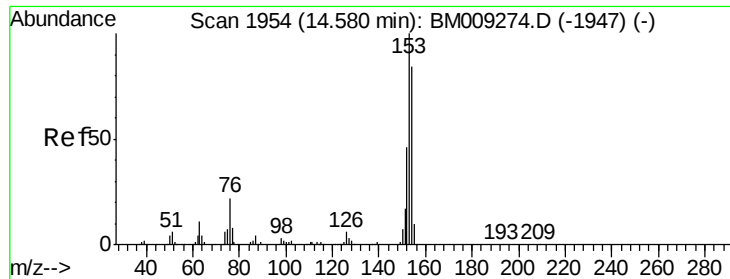
Delta R.T. 0.00 min

Lab File: BM009282.D

Acq: 17 Mar 2017 20:00

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	31665		
151	17.4	17.5	26.3	
153	17.7	10.6	16.0	





#9

Acenaphthene

Concen: 2.59 ng/ul

RT: 14.58 min Scan# 1954

Delta R.T. 0.00 min

Lab File: BM009282.D

Acq: 17 Mar 2017 20:00

Instrument :

BNA_M

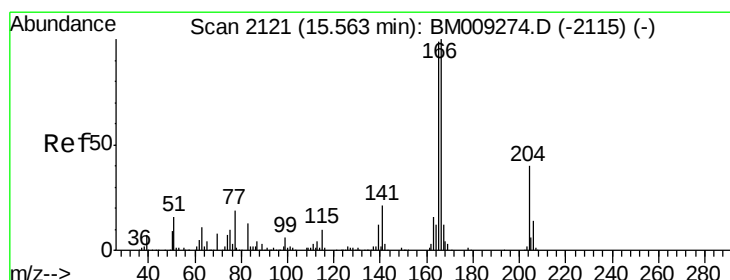
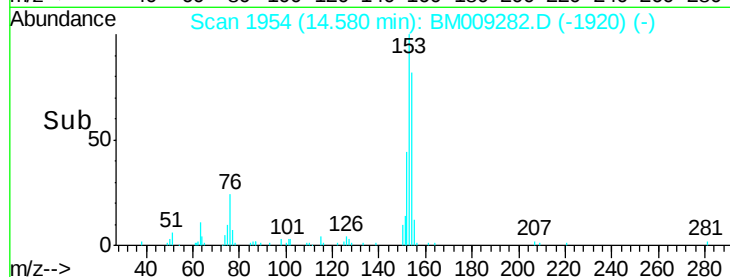
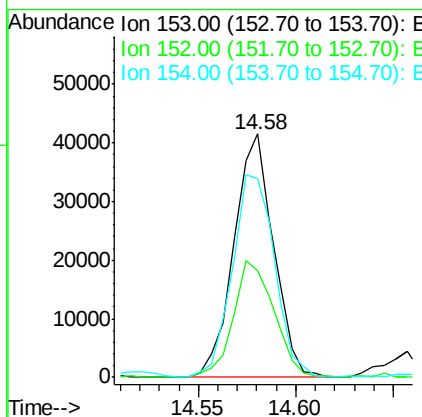
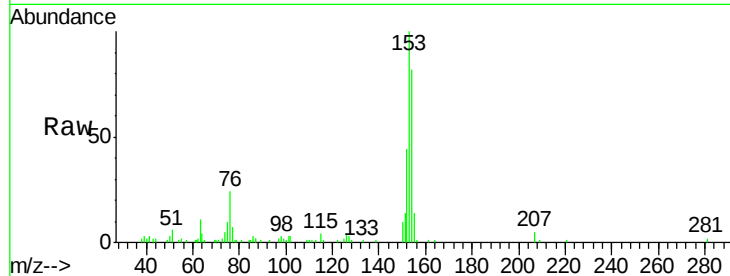
ClientSampleId :

CB320

Tgt Ion:	153	Resp:	58301
Ion Ratio	Lower	Upper	
153	100		
152	43.6	37.9	56.9
154	81.8	71.6	107.4

Manual Integrations
APPROVED

mohammad
3/20/2017 12:08:52 PM



#11

Fluorene

Concen: 1.84 ng/ul

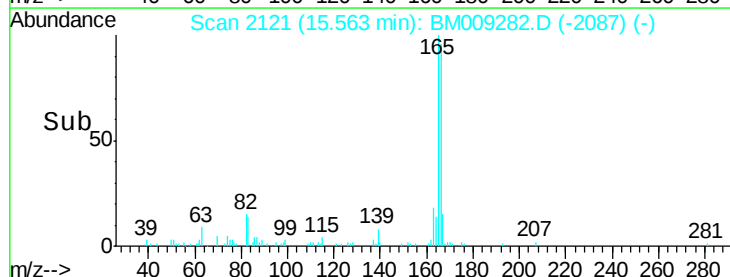
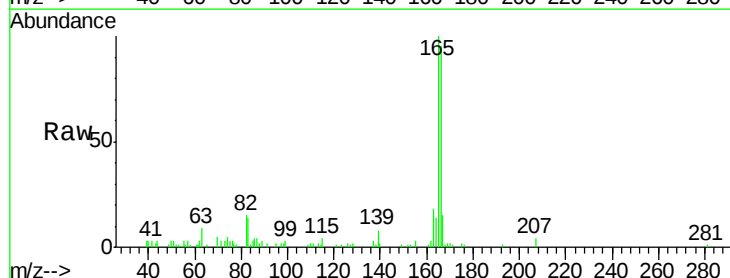
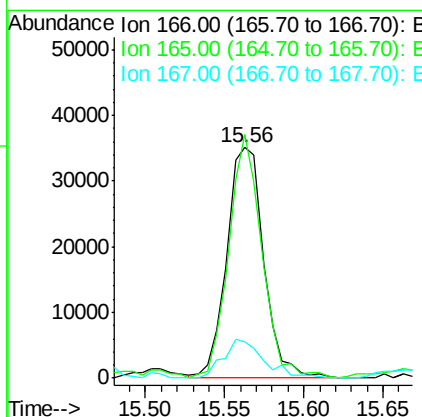
RT: 15.56 min Scan# 2121

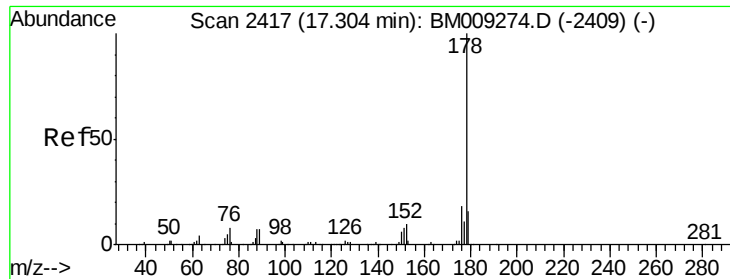
Delta R.T. 0.00 min

Lab File: BM009282.D

Acq: 17 Mar 2017 20:00

Tgt Ion:	166	Resp:	56837
Ion Ratio	Lower	Upper	
166	100		
165	105.8	80.0	120.0
167	15.9	11.6	17.4





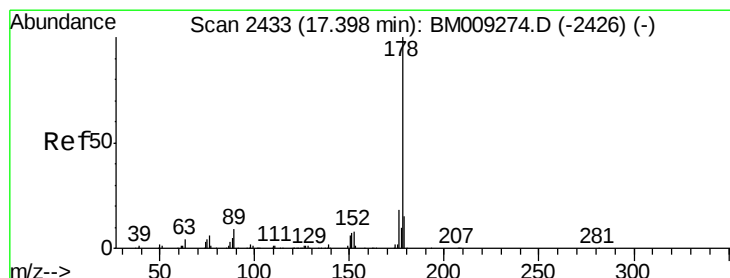
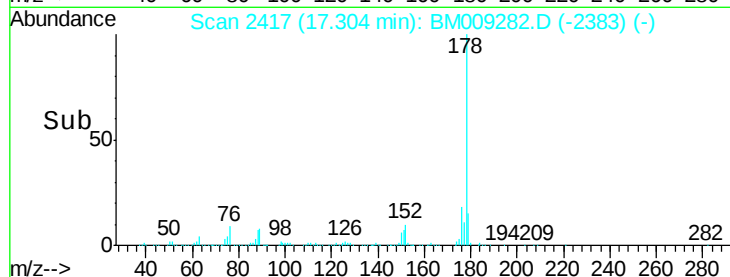
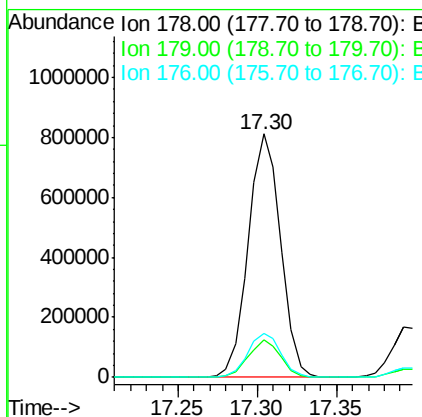
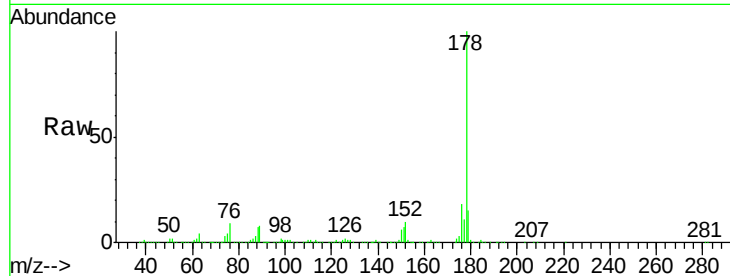
#14
Phenanthrene
Concen: 21.39 ng/ul
RT: 17.30 min Scan# 2417
Delta R.T. 0.00 min
Lab File: BM009282.D
Acq: 17 Mar 2017 20:00

Instrument :
BNA_M
ClientSampled :
CB320

Tgt Ion:178 Resp: 1151598
Ion Ratio Lower Upper
178 100
179 15.3 12.2 18.4
176 18.3 16.4 24.6

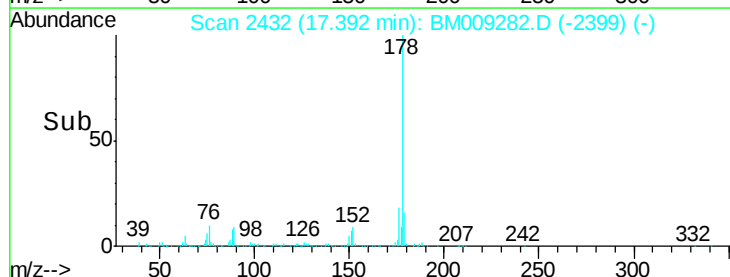
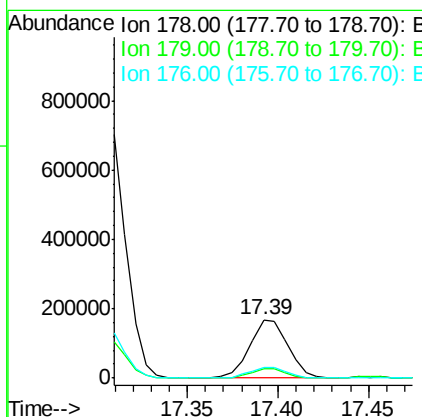
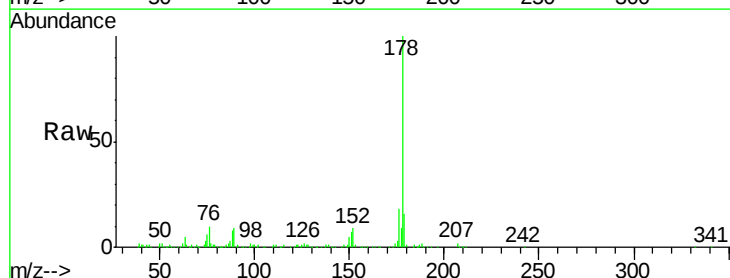
Manual Integrations
APPROVED

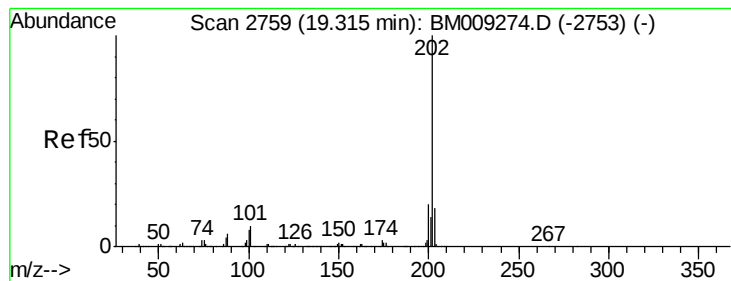
mohammad
3/20/2017 12:08:52 PM



#16
Anthracene
Concen: 4.40 ng/ul
RT: 17.39 min Scan# 2432
Delta R.T. -0.01 min
Lab File: BM009282.D
Acq: 17 Mar 2017 20:00

Tgt Ion:178 Resp: 245610
Ion Ratio Lower Upper
178 100
179 15.7 12.7 19.1
176 18.2 15.8 23.8





#17

Fluoranthene

Concen: 32.22 ng/ul

RT: 19.32 min Scan# 2759

Delta R.T. 0.00 min

Lab File: BM009282.D

Acq: 17 Mar 2017 20:00

Instrument :

BNA_M

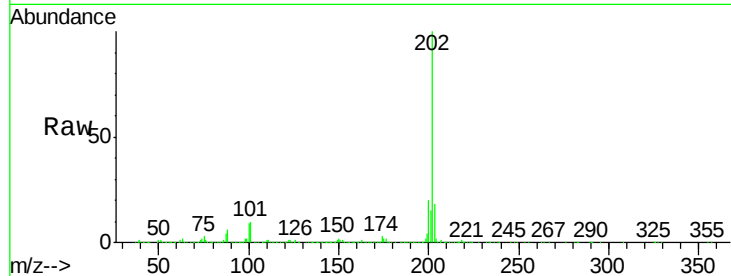
ClientSampleId :

CB320

Tgt Ion:	202	Resp:	2198131
Ion Ratio	Lower	Upper	
202	100		
101	10.4	9.8	14.8
100	8.6	7.5	11.3

Manual Integrations
APPROVED

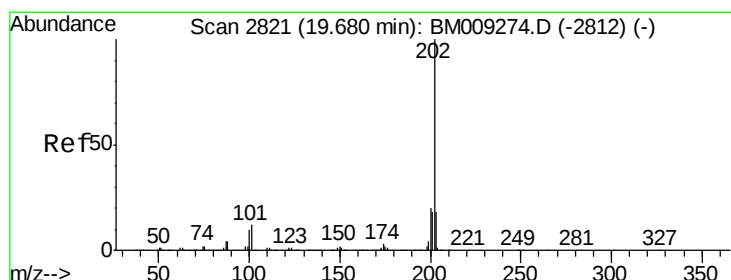
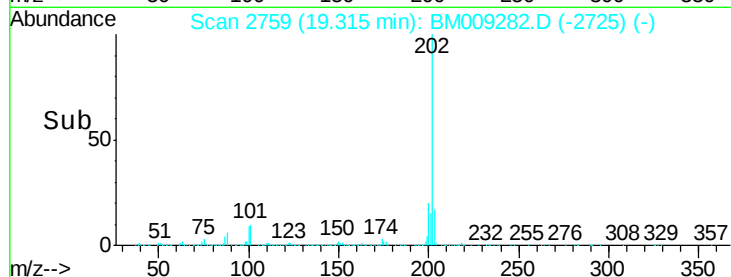
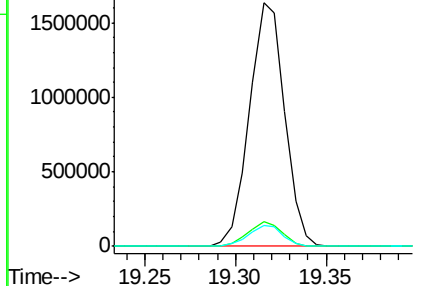
mohammad
3/20/2017 12:08:52 PM



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#20

Pyrene

Concen: 25.04 ng/ul

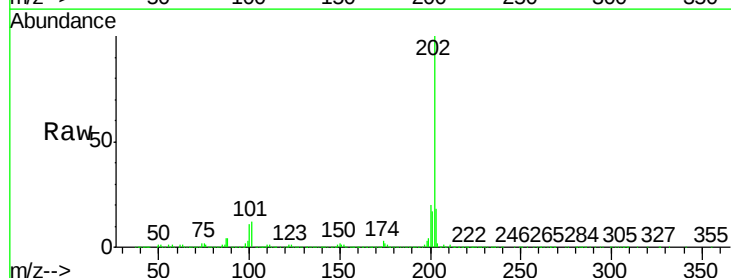
RT: 19.68 min Scan# 2821

Delta R.T. 0.00 min

Lab File: BM009282.D

Acq: 17 Mar 2017 20:00

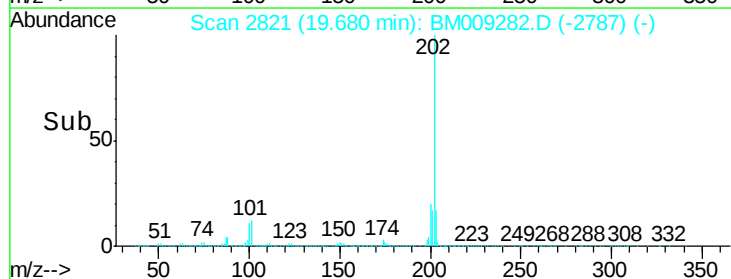
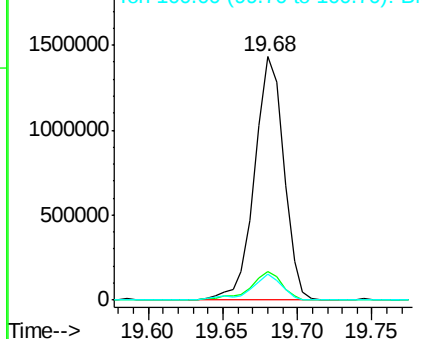
Tgt Ion:	202	Resp:	1928387
Ion Ratio	Lower	Upper	
202	100		
101	11.9	11.2	16.8
100	10.7	9.8	14.6

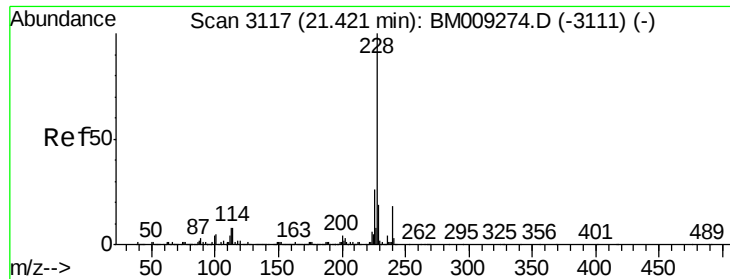


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





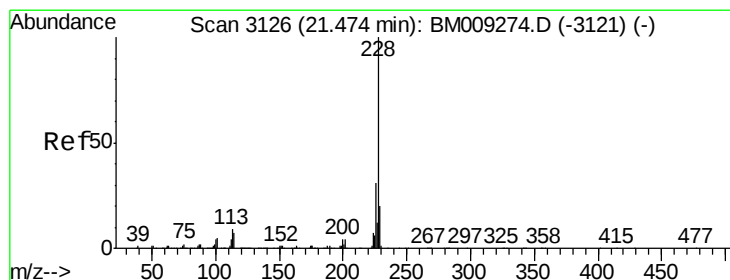
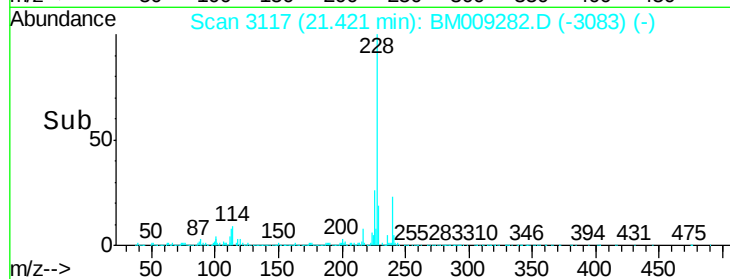
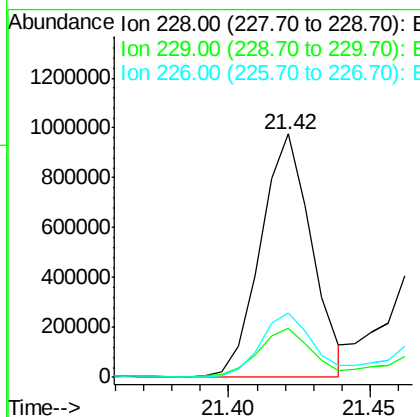
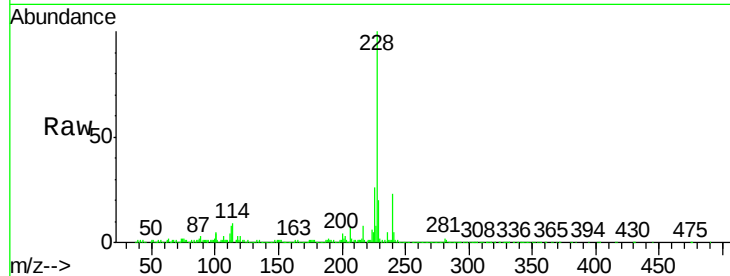
#21
Benzo(a)anthracene
Concen: 14.35 ng/ul
RT: 21.42 min Scan# 3117
Delta R.T. 0.00 min
Lab File: BM009282.D
Acq: 17 Mar 2017 20:00

Instrument :
BNA_M
ClientSampleId :
CB320

Tgt Ion	Ratio	Lower	Upper
228	100		
229	19.9	15.9	23.9
226	26.5	22.1	33.1

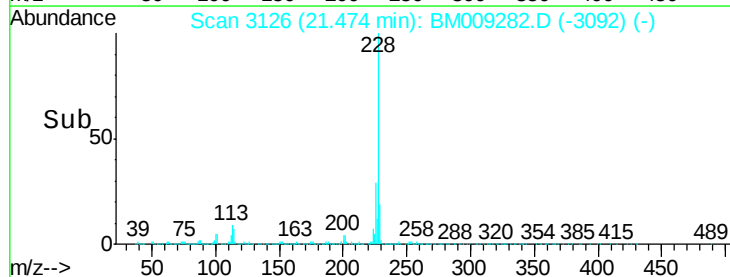
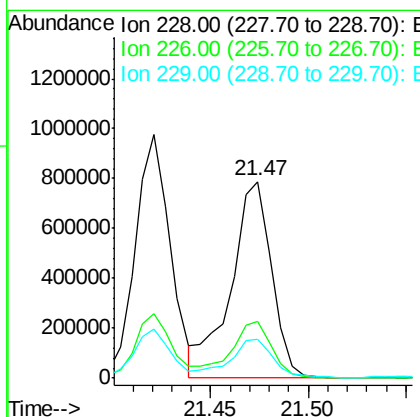
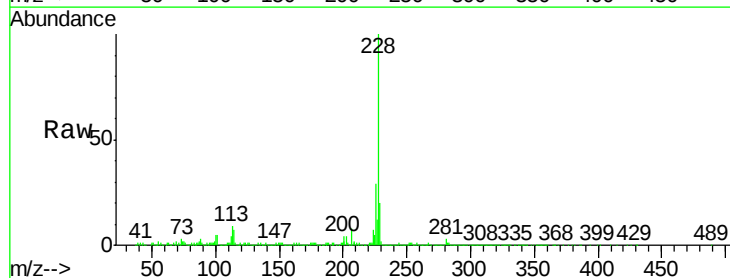
Manual Integrations
APPROVED

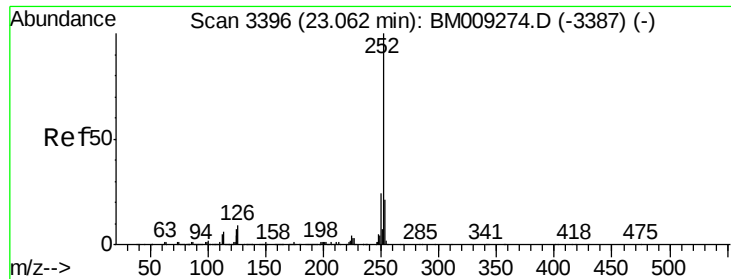
mohammad
3/20/2017 12:08:52 PM



#22
Chrysene
Concen: 14.23 ng/ul
RT: 21.47 min Scan# 3126
Delta R.T. 0.00 min
Lab File: BM009282.D
Acq: 17 Mar 2017 20:00

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.7	25.0	37.6
229	19.6	16.6	25.0





#24

Benzo(b)fluoranthene

Concen: 17.84 ng/ul m

RT: 23.06 min Scan# 3396

Delta R.T. 0.00 min

Lab File: BM009282.D

Acq: 17 Mar 2017 20:00

Instrument :

BNA_M

ClientSampled :

CB320

Tgt Ion:252 Resp: 1620787

Ion Ratio Lower Upper

252 100

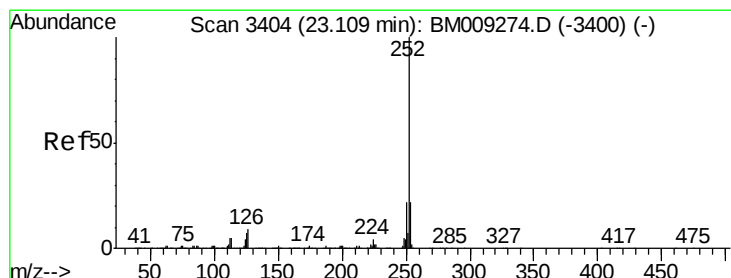
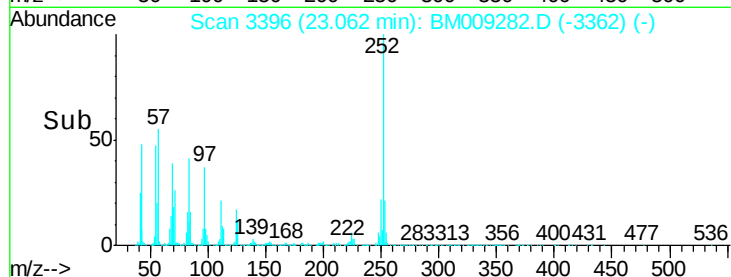
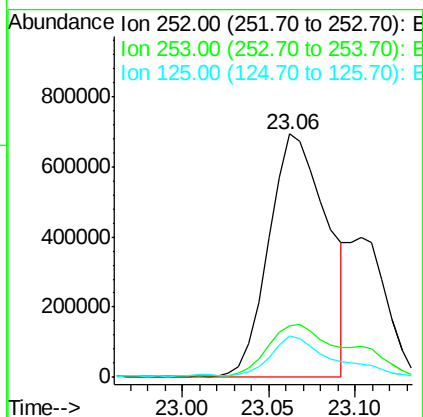
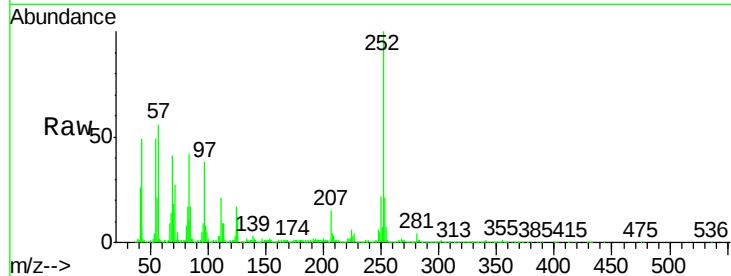
253 21.4 17.8 26.6

125 17.3 9.4 14.0#

Manual Integrations
APPROVED

mohammad

3/20/2017 12:08:52 PM



#25

Benzo(k)fluoranthene

Concen: 7.17 ng/ul m

RT: 23.10 min Scan# 3403

Delta R.T. -0.01 min

Lab File: BM009282.D

Acq: 17 Mar 2017 20:00

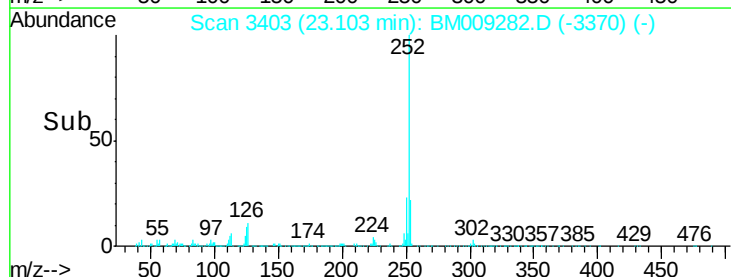
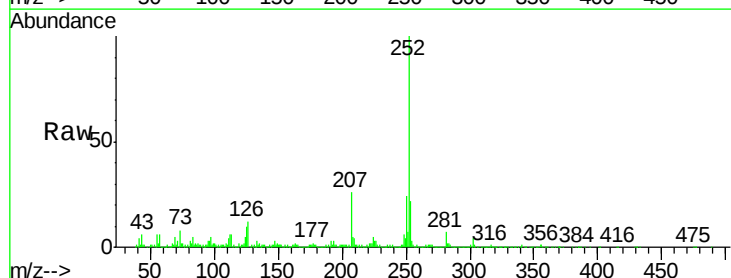
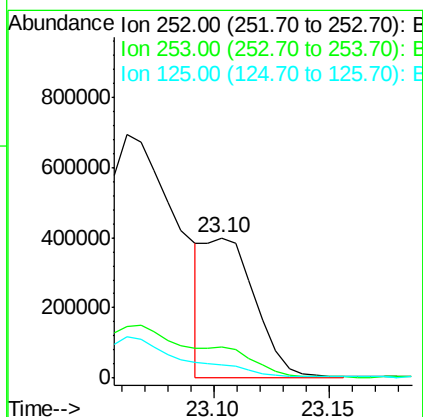
Tgt Ion:252 Resp: 614733

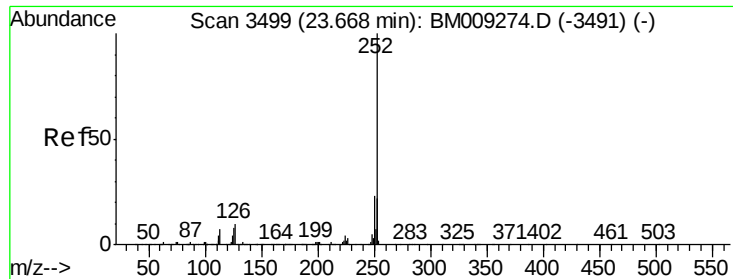
Ion Ratio Lower Upper

252 100

253 22.5 17.4 26.2

125 9.7 8.8 13.2





#27

Benzo(a)pyrene

Concen: 13.03 ng/ul m

RT: 23.67 min Scan# 3499

Delta R.T. 0.00 min

Lab File: BM009282.D

Acq: 17 Mar 2017 20:00

Instrument :

BNA_M

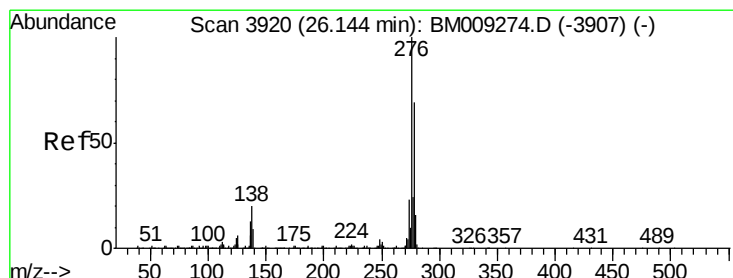
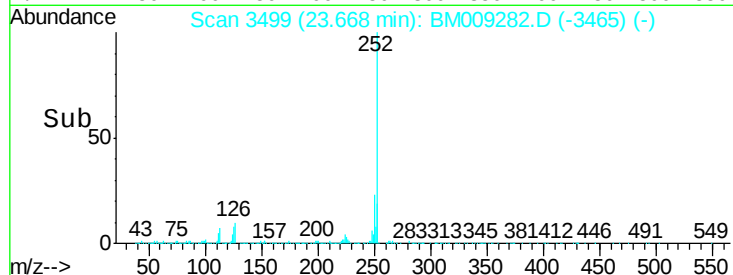
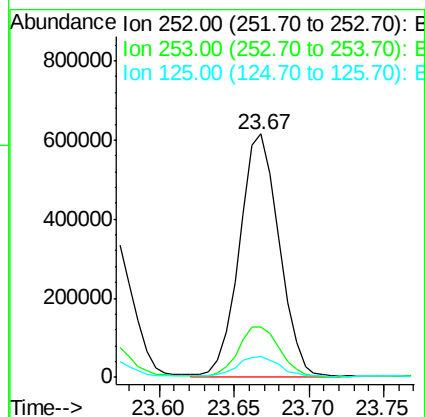
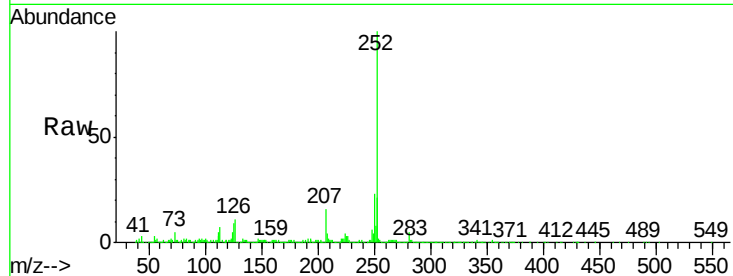
ClientSampleId :

CB320

Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.9	17.1	25.7
125	8.8	9.4	14.2#

Manual Integrations
APPROVED

mohammad
3/20/2017 12:08:52 PM



#28

Indeno(1,2,3-cd)pyrene

Concen: 7.04 ng/ul

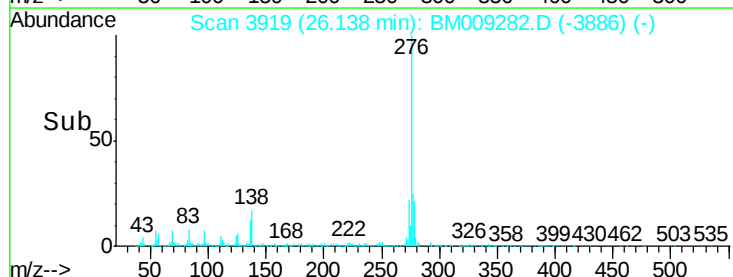
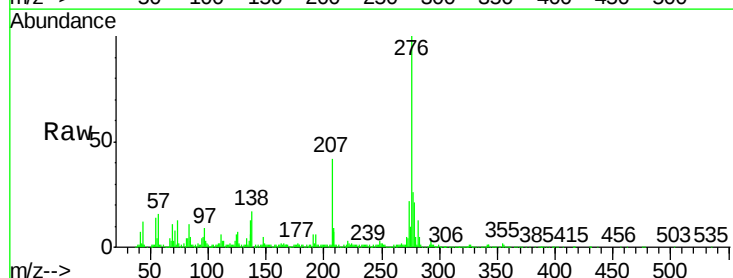
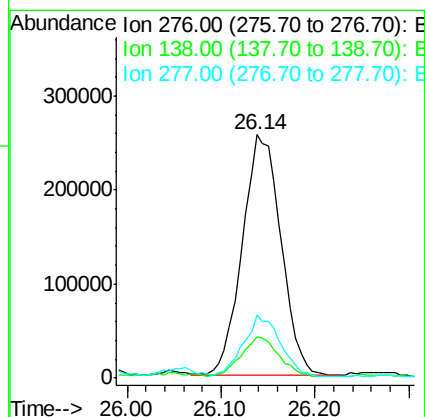
RT: 26.14 min Scan# 3919

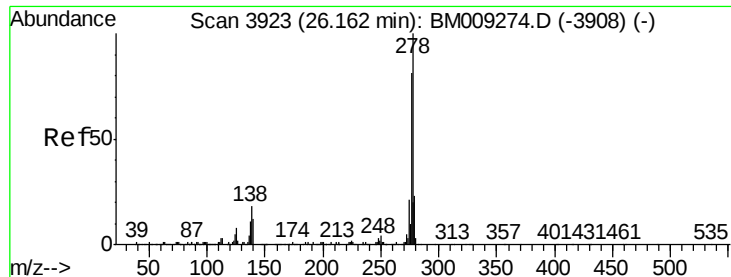
Delta R.T. -0.01 min

Lab File: BM009282.D

Acq: 17 Mar 2017 20:00

Tgt Ion	Ratio	Lower	Upper
276	100		
138	17.2	17.8	26.6#
277	26.0	19.4	29.0





#29

Dibenzo(a,h)anthracene

Concen: 2.28 ng/ul

RT: 26.15 min Scan# 3921

Delta R.T. -0.01 min

Lab File: BM009282.D

Acq: 17 Mar 2017 20:00

Instrument :

BNA_M

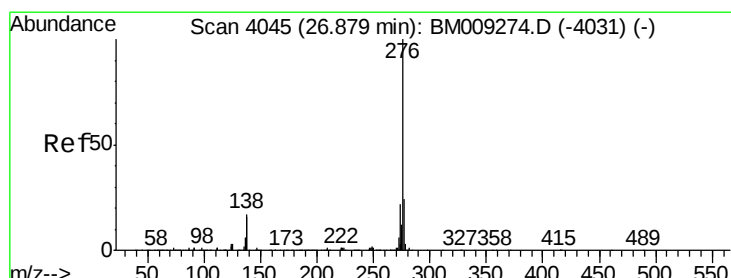
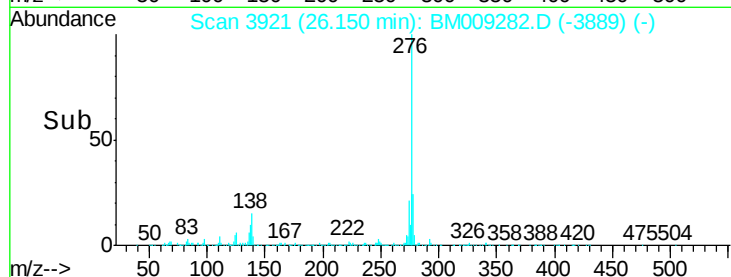
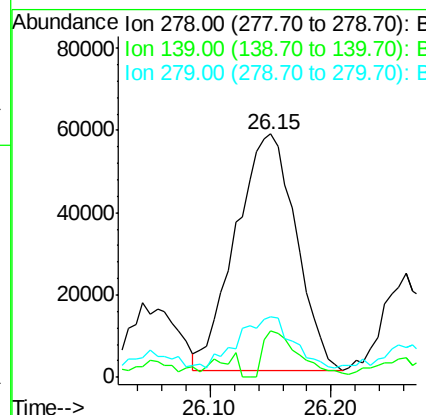
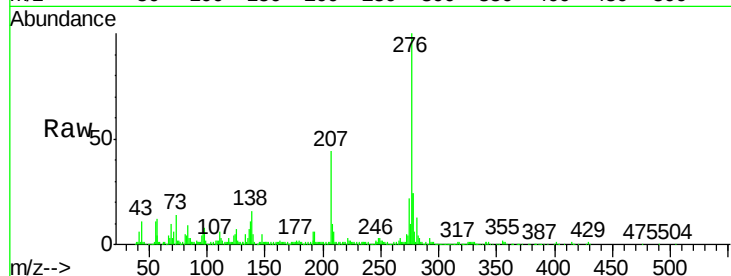
ClientSampleId :

CB320

Tgt Ion:	278	Resp:	199673
Ion Ratio	Lower	Upper	
278	100		
139	19.2	14.0	21.0
279	24.6	20.6	31.0

Manual Integrations
APPROVED

mohammad
3/20/2017 12:08:52 PM



#30

Benzo(g,h,i)perylene

Concen: 7.19 ng/ul

RT: 26.88 min Scan# 4045

Delta R.T. 0.00 min

Lab File: BM009282.D

Acq: 17 Mar 2017 20:00

Tgt Ion:	276	Resp:	621098
Ion Ratio	Lower	Upper	
276	100		
138	18.2	19.0	28.4#
277	25.7	19.7	29.5

