

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM040817\
 Data File : BM009636.D
 Acq On : 07 Apr 2017 19:26
 Operator : SJ/MA
 Sample : I2526-15
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CB391

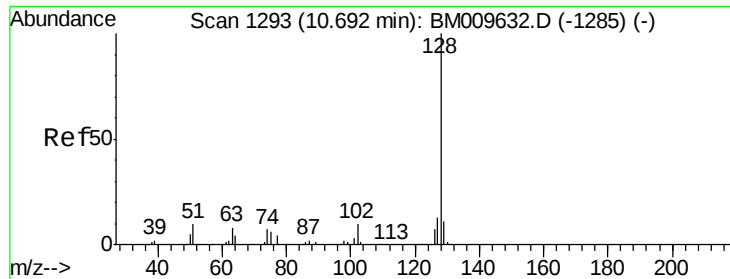
Manual Integrations
 APPROVED

mohammad
 4/10/2017 1:24:07 PM

Quant Time: Apr 08 01:49:02 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM040417-PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Apr 08 01:45:48 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	160895	20.00	ng/ul	0.00
2) Naphthalene-d8	10.64	136	622942	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.49	164	350790	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.24	188	808872	20.00	ng/ul	0.00
18) Chrysene-d12	21.42	240	1035959	20.00	ng/ul	0.00
23) Perylene-d12	23.74	264	1013198	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.25	165	252313	26.34	ng/uL	0.00
7) Acenaphthylene-d8	14.18	160	1109841	32.28	ng/ul	0.00
10) Fluorene-d10	15.48	176	781655	31.61	ng/ul	0.00
15) Anthracene-d10	17.33	188	1257704	32.50	ng/ul	0.00
19) Pyrene-d10	19.63	212	1504194	35.33	ng/ul	0.00
26) Benzo(a)pyrene-d12	23.60	264	1473164	32.93	ng/ul	0.00
Target Compounds						
						Qvalue
4) Naphthalene	10.69	128	32580	1.02	ng/ul#	95
8) Acenaphthylene	14.21	152	73014	2.12	ng/ul	96
9) Acenaphthene	14.55	153	25237	1.06	ng/ul#	87
11) Fluorene	15.53	166	29624	1.02	ng/ul	95
14) Phenanthrene	17.28	178	739221	16.26	ng/ul	97
16) Anthracene	17.37	178	187196	3.98	ng/ul	100
17) Fluoranthene	19.30	202	1675342	29.58	ng/ul	96
20) Pyrene	19.66	202	1633628	28.96	ng/ul	94
21) Benzo(a)anthracene	21.40	228	989750	16.90	ng/ul	98
22) Chrysene	21.46	228	944636	17.59	ng/ul	97
24) Benzo(b)fluoranthene	23.04	252	1420568	22.67	ng/ul#	92
25) Benzo(k)fluoranthene	23.08	252	423263m	7.09	ng/ul	
27) Benzo(a)pyrene	23.64	252	955984	16.05	ng/ul	98
28) Indeno(1,2,3-cd)pyrene	26.11	276	671911	10.06	ng/ul#	94
29) Dibenzo(a,h)anthracene	26.12	278	204293m	3.60	ng/ul	
30) Benzo(g,h,i)perylene	26.85	276	663504	12.05	ng/ul#	90

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



#4

Naphthalene

Concen: 1.02 ng/ul

RT: 10.69 min Scan# 1292

Delta R.T. -0.01 min

Lab File: BM009636.D

Acq: 07 Apr 2017 19:26

Instrument :

BNA_M

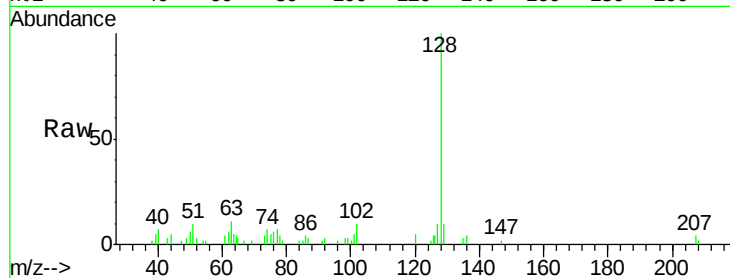
ClientSampleId :

CB391

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	32580		
129	10.5		9.1	13.7
127	10.2		10.6	15.8#

Manual Integrations
APPROVED

mohammad
4/10/2017 1:24:07 PM

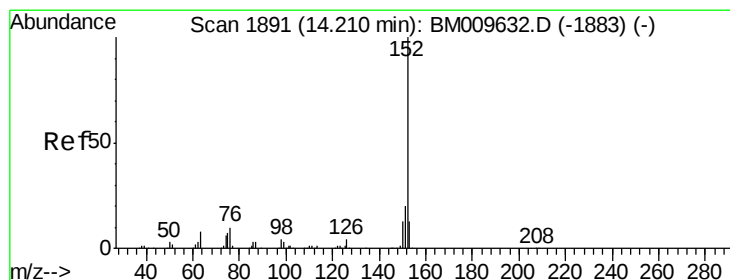
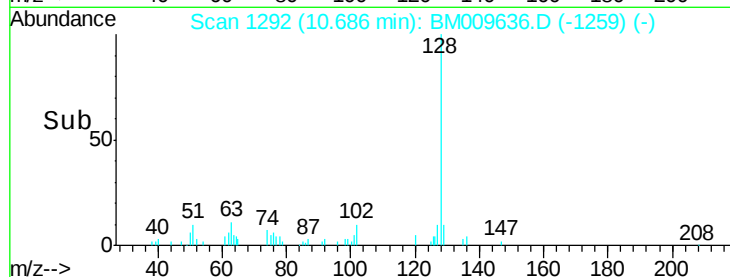
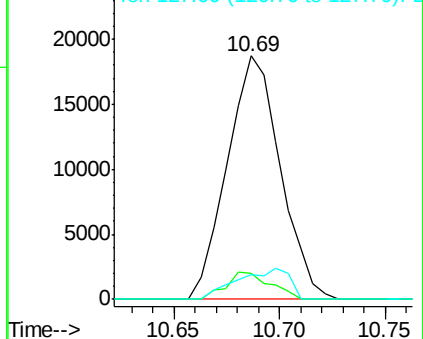


Abundance

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



#8

Acenaphthylene

Concen: 2.12 ng/ul

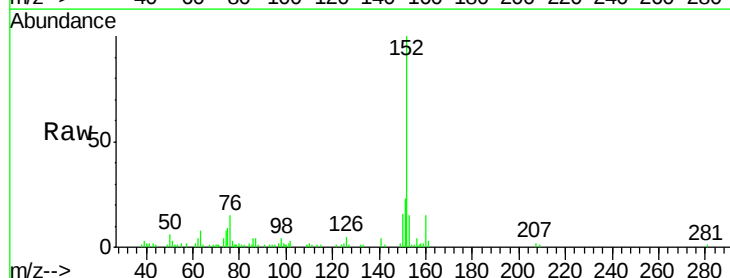
RT: 14.21 min Scan# 1891

Delta R.T. 0.00 min

Lab File: BM009636.D

Acq: 07 Apr 2017 19:26

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	73014		
151	23.3		17.5	26.3
153	15.3		10.6	16.0

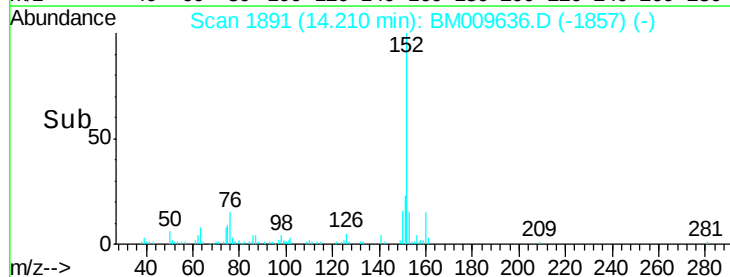
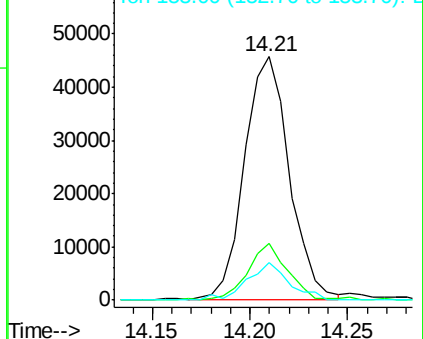


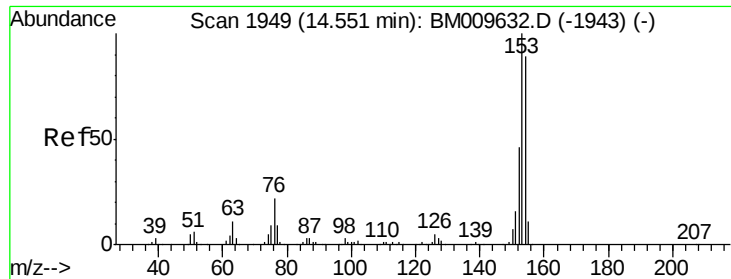
Abundance

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





#9

Acenaphthene

Concen: 1.06 ng/ul

RT: 14.55 min Scan# 1949

Delta R.T. 0.00 min

Lab File: BM009636.D

Acq: 07 Apr 2017 19:26

Instrument :

BNA_M

ClientSampleId :

CB391

Tgt Ion:153 Resp: 25237

Ion Ratio Lower Upper

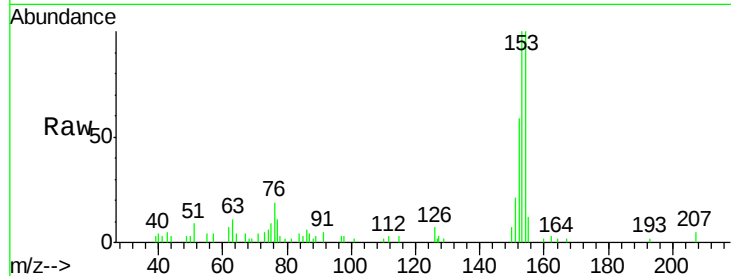
153 100

152 59.0 37.9 56.9#

154 100.1 71.6 107.4

Manual Integrations
APPROVED

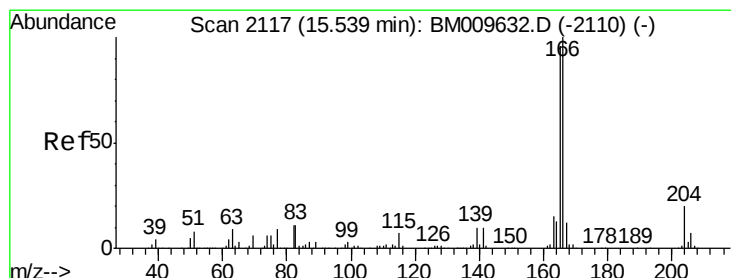
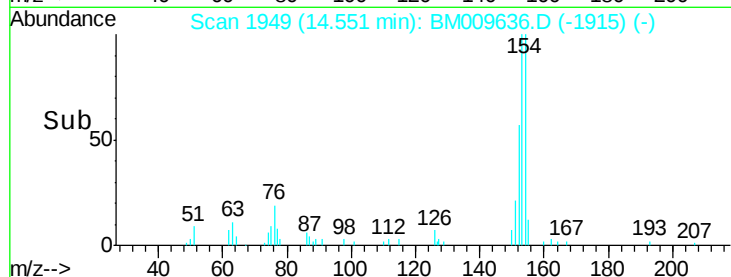
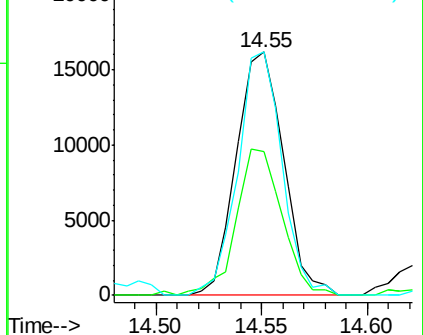
mohammad
4/10/2017 1:24:07 PM



Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#11

Fluorene

Concen: 1.02 ng/ul

RT: 15.53 min Scan# 2116

Delta R.T. -0.01 min

Lab File: BM009636.D

Acq: 07 Apr 2017 19:26

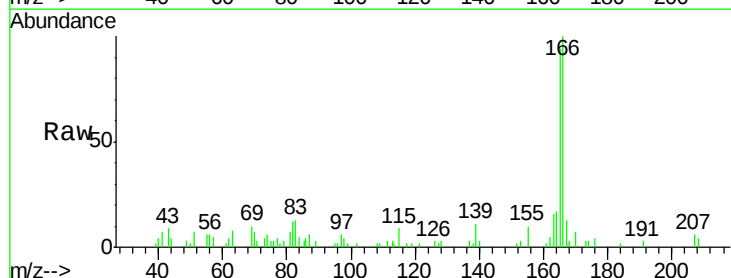
Tgt Ion:166 Resp: 29624

Ion Ratio Lower Upper

166 100

165 94.4 80.0 120.0

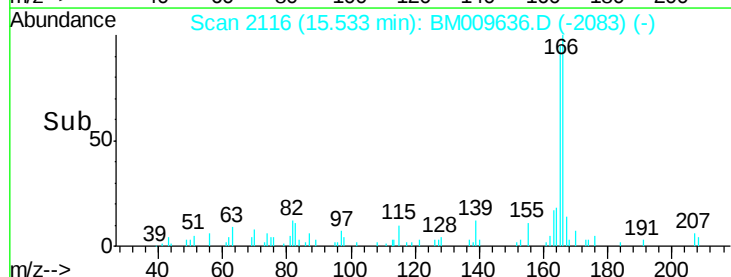
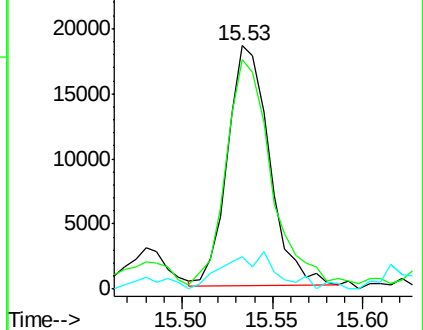
167 13.2 11.6 17.4

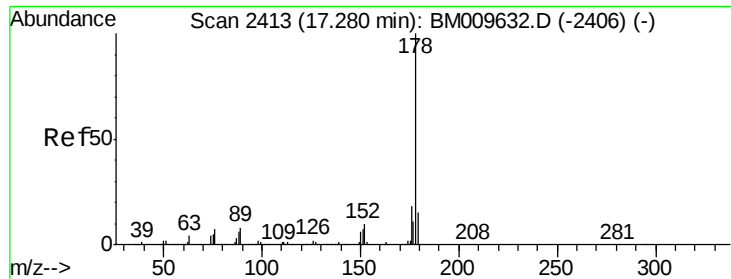


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





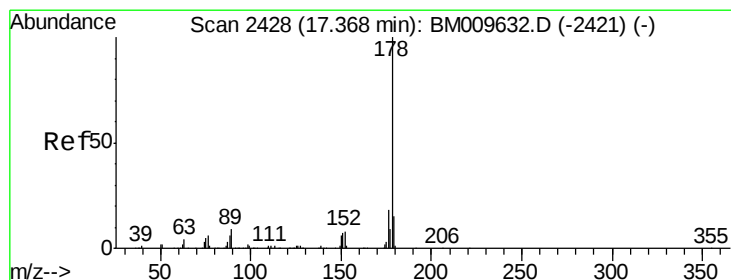
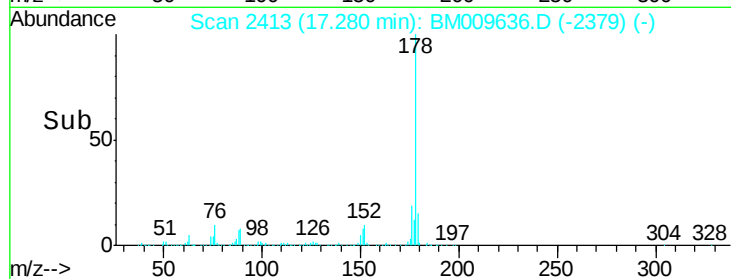
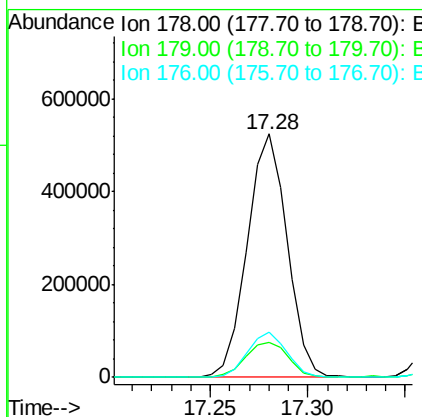
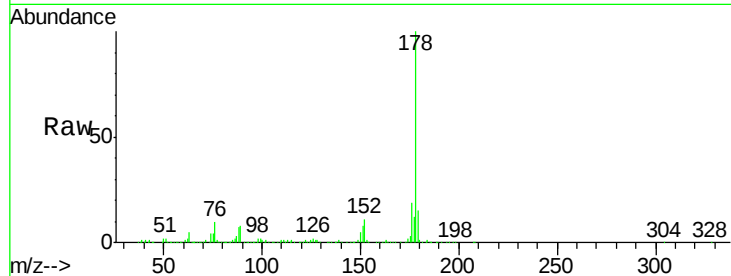
#14
Phenanthrene
Concen: 16.26 ng/ul
RT: 17.28 min Scan# 2413
Delta R.T. 0.00 min
Lab File: BM009636.D
Acq: 07 Apr 2017 19:26

Instrument :
BNA_M
ClientSampleId :
CB391

Tgt Ion	Ratio	Lower	Upper
178	100		
179	14.6	12.2	18.4
176	18.6	16.4	24.6

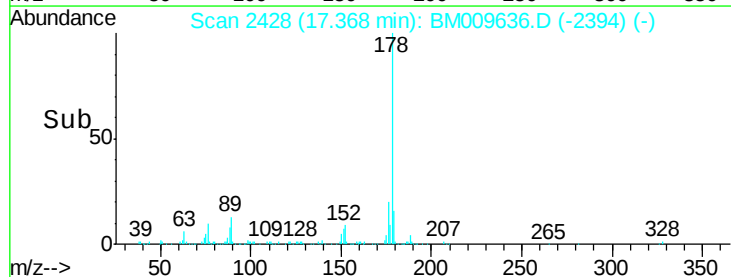
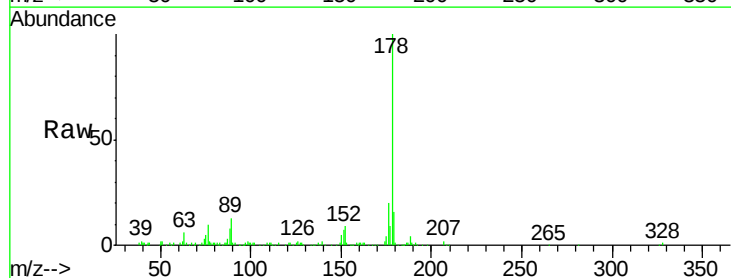
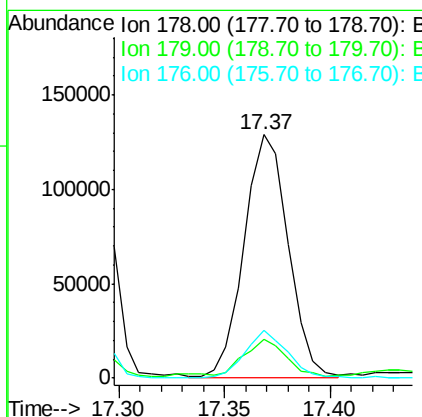
Manual Integrations
APPROVED

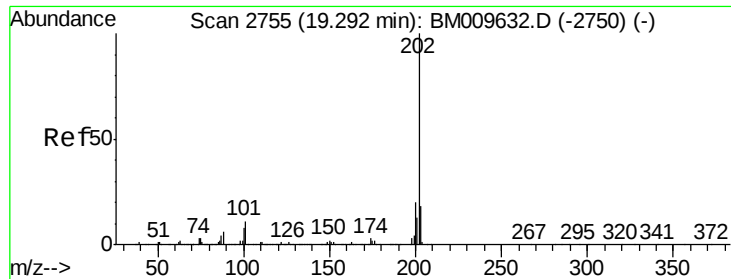
mohammad
4/10/2017 1:24:07 PM



#16
Anthracene
Concen: 3.98 ng/ul
RT: 17.37 min Scan# 2428
Delta R.T. 0.00 min
Lab File: BM009636.D
Acq: 07 Apr 2017 19:26

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.7	12.7	19.1
176	19.7	15.8	23.8





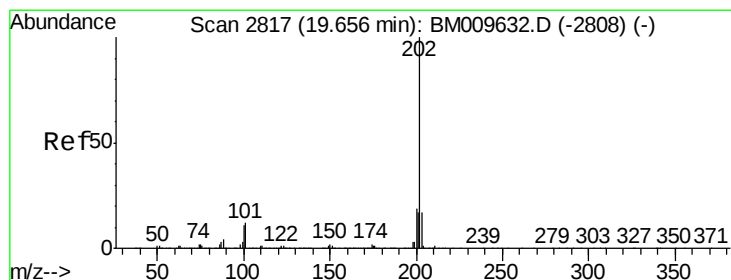
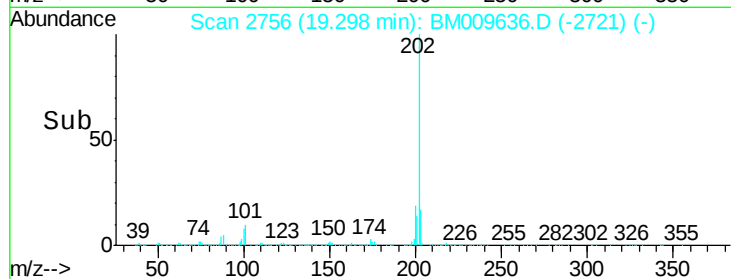
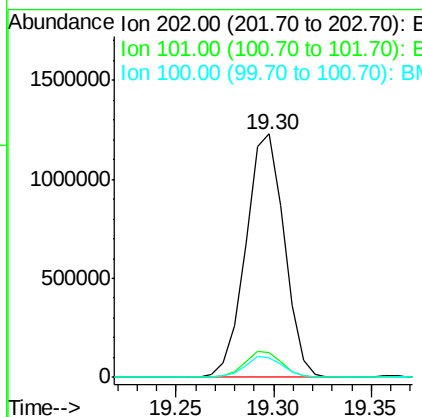
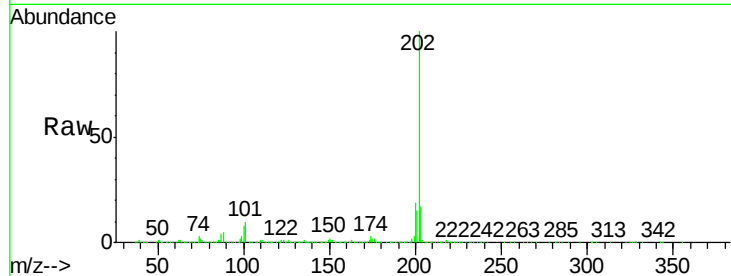
#17
Fluoranthene
 Concen: 29.58 ng/ul
 RT: 19.30 min Scan# 2756
 Delta R.T. 0.01 min
 Lab File: BM009636.D
 Acq: 07 Apr 2017 19:26

Instrument :
 BNA_M
 ClientSampleId :
 CB391

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.3	9.8	14.8
100	8.2	7.5	11.3

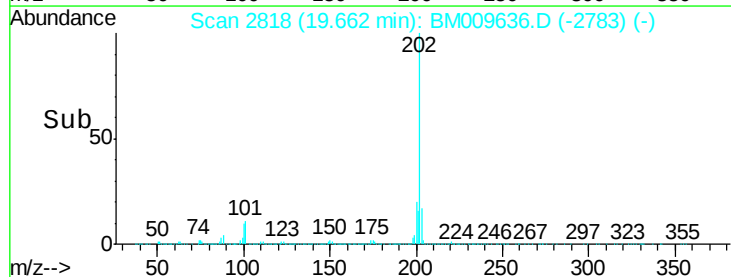
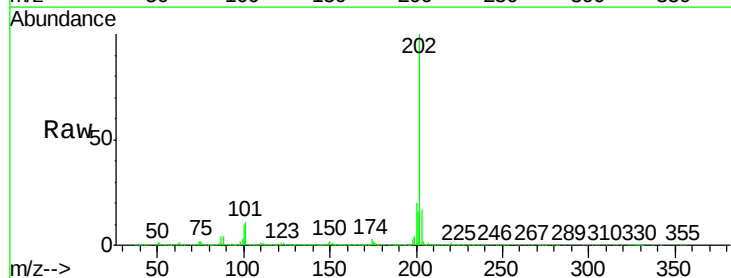
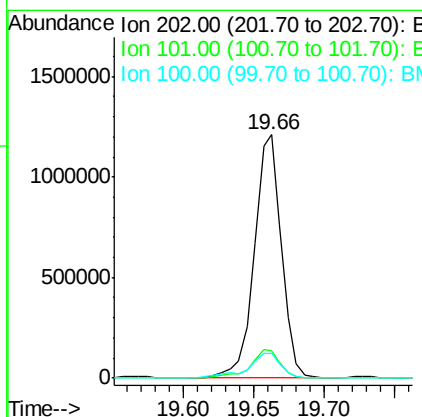
Manual Integrations
 APPROVED

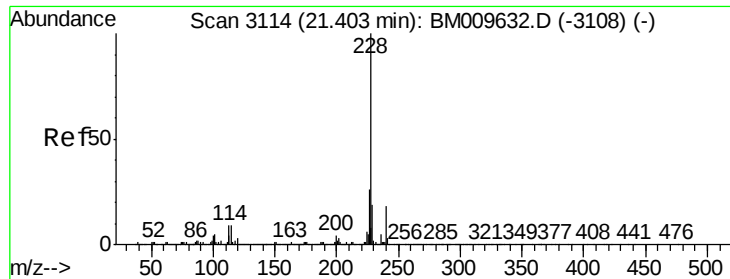
mohammad
 4/10/2017 1:24:07 PM



#20
Pyrene
 Concen: 28.96 ng/ul
 RT: 19.66 min Scan# 2818
 Delta R.T. 0.01 min
 Lab File: BM009636.D
 Acq: 07 Apr 2017 19:26

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.3	11.2	16.8
100	10.3	9.8	14.6





#21

Benzo(a)anthracene

Concen: 16.90 ng/ul

RT: 21.40 min Scan# 3114

Delta R.T. 0.00 min

Lab File: BM009636.D

Acq: 07 Apr 2017 19:26

Instrument :

BNA_M

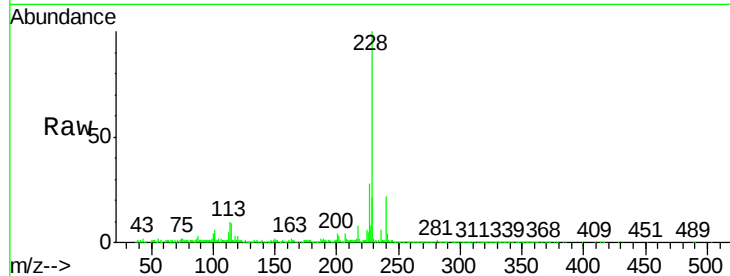
ClientSampled :

CB391

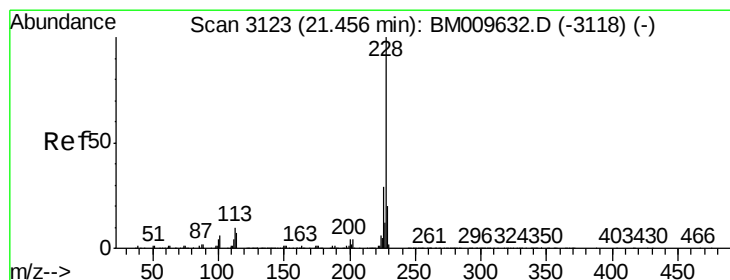
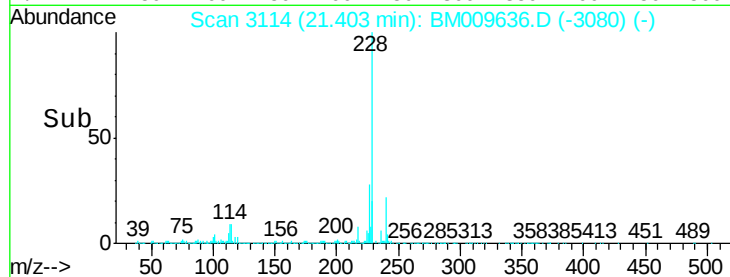
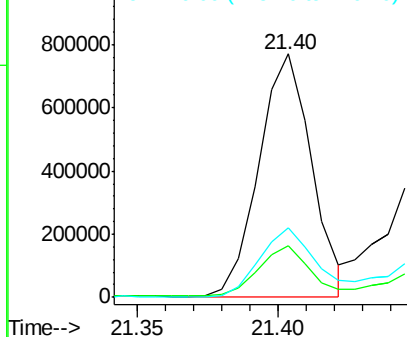
Tgt Ion:	228	Resp:	989750
Ion Ratio	Lower	Upper	
228	100		
229	21.0	15.9	23.9
226	28.4	22.1	33.1

Manual Integrations
APPROVED

mohammad
4/10/2017 1:24:07 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



#22

Chrysene

Concen: 17.59 ng/ul

RT: 21.46 min Scan# 3123

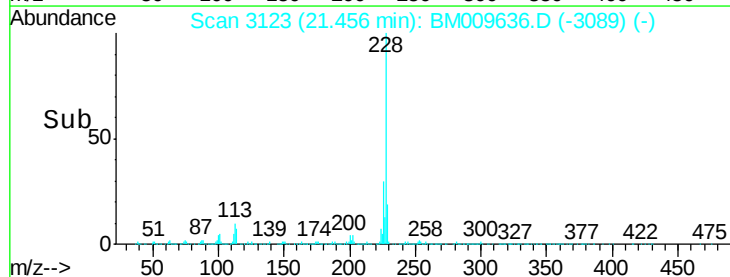
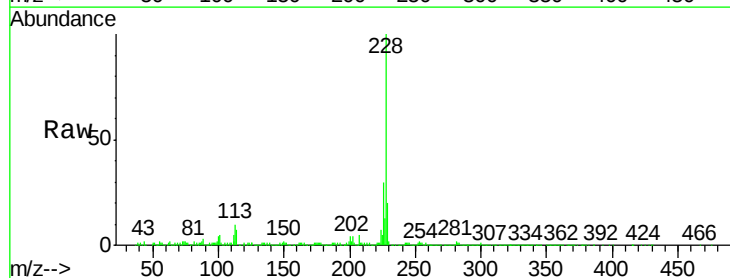
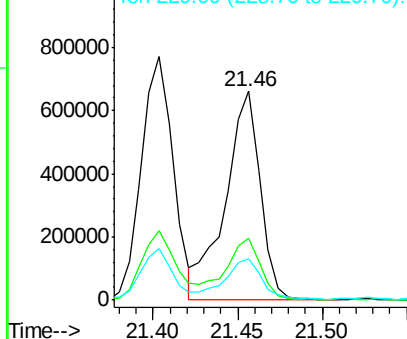
Delta R.T. 0.00 min

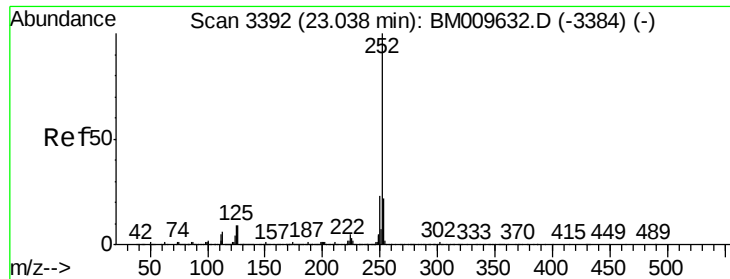
Lab File: BM009636.D

Acq: 07 Apr 2017 19:26

Tgt Ion:	228	Resp:	944636
Ion Ratio	Lower	Upper	
228	100		
226	29.7	25.0	37.6
229	19.8	16.6	25.0

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





#24

Benzo(b)fluoranthene

Concen: 22.67 ng/ul

RT: 23.04 min Scan# 3393

Delta R.T. 0.01 min

Lab File: BM009636.D

Acq: 07 Apr 2017 19:26

Instrument :

BNA_M

ClientSampleId :

CB391

Tgt Ion:252 Resp: 1420568

Ion Ratio Lower Upper

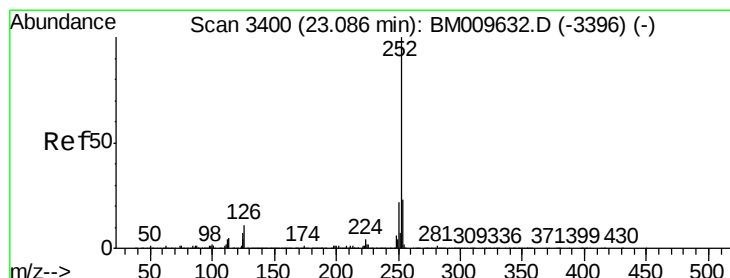
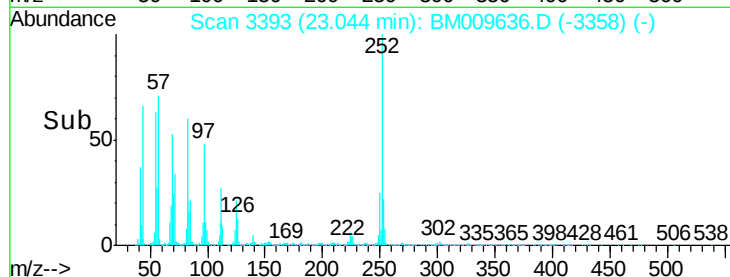
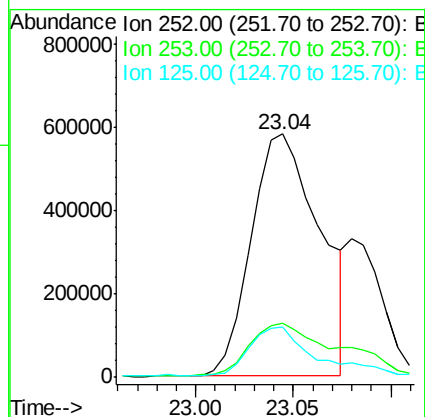
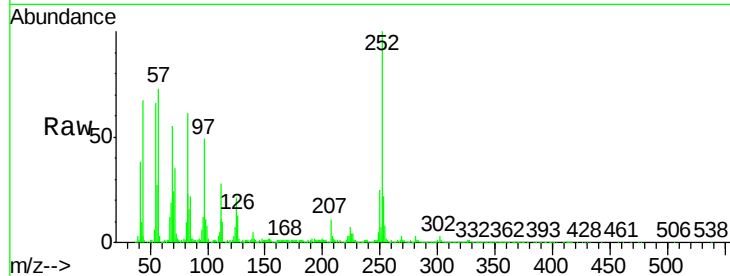
252 100

253 22.4 17.8 26.6

125 20.8 9.4 14.0#

Manual Integrations
APPROVED

mohammad
4/10/2017 1:24:07 PM



#25

Benzo(k)fluoranthene

Concen: 7.09 ng/ul m

RT: 23.08 min Scan# 3399

Delta R.T. -0.01 min

Lab File: BM009636.D

Acq: 07 Apr 2017 19:26

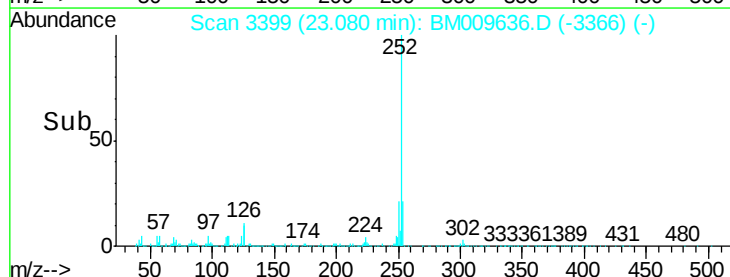
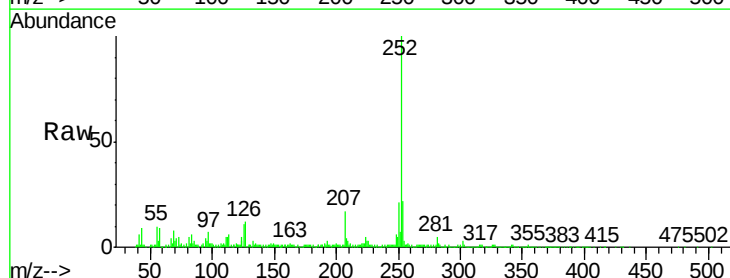
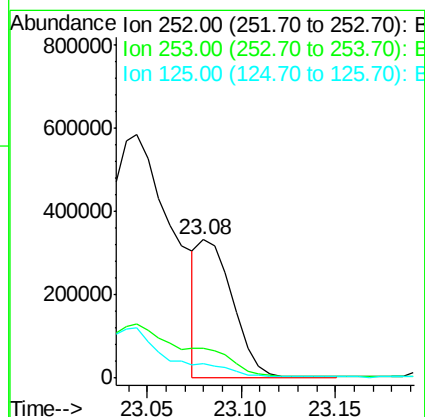
Tgt Ion:252 Resp: 423263

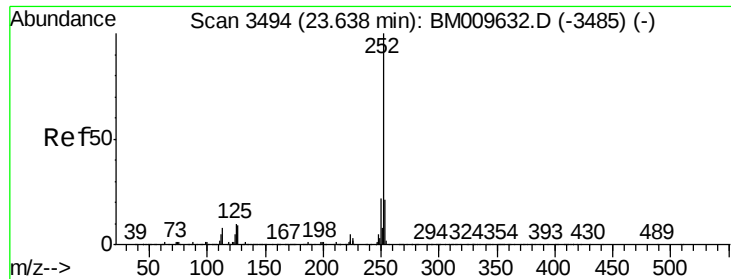
Ion Ratio Lower Upper

252 100

253 22.0 17.4 26.2

125 10.7 8.8 13.2





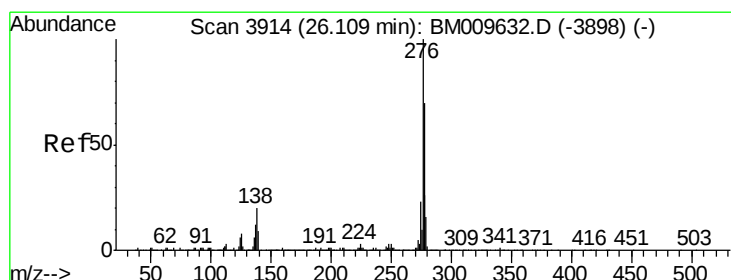
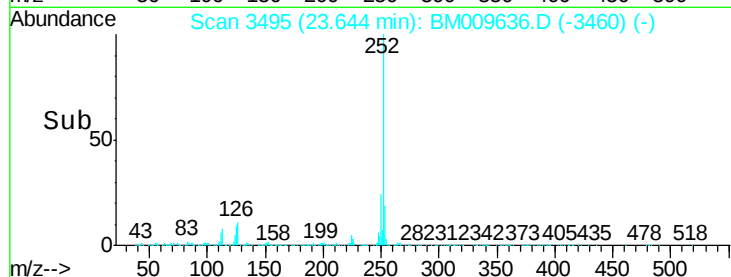
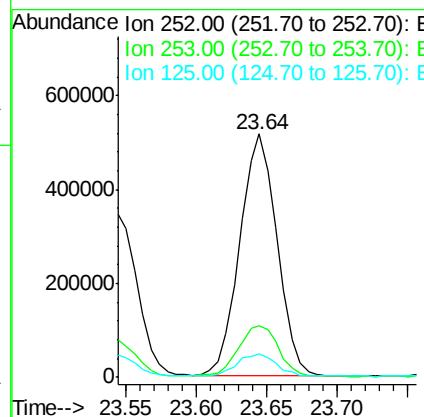
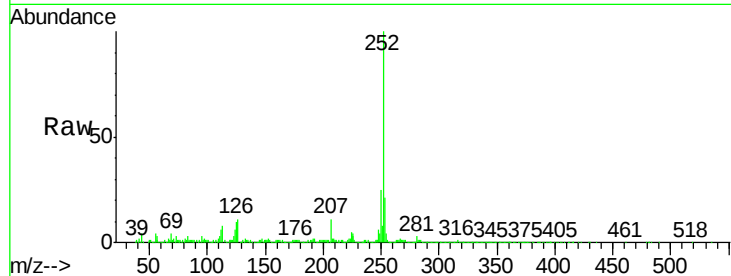
#27
Benzo(a)pyrene
Concen: 16.05 ng/ul
RT: 23.64 min Scan# 3495
Delta R.T. 0.01 min
Lab File: BM009636.D
Acq: 07 Apr 2017 19:26

Instrument :
BNA_M
ClientSampleId :
CB391

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	21.1	17.1	25.7
125	9.6	9.4	14.2

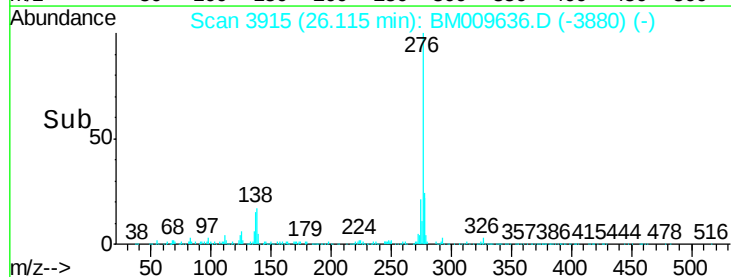
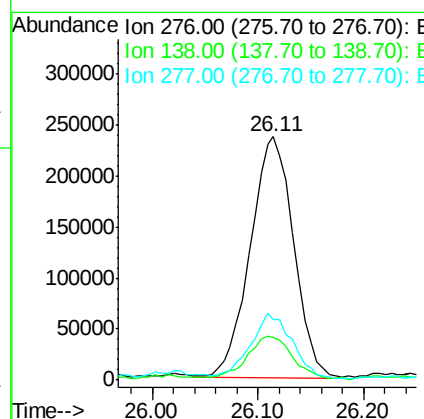
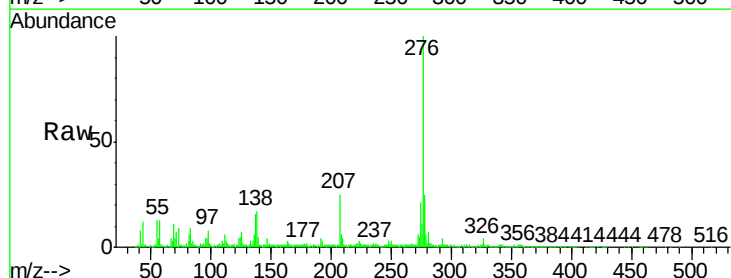
Manual Integrations
APPROVED

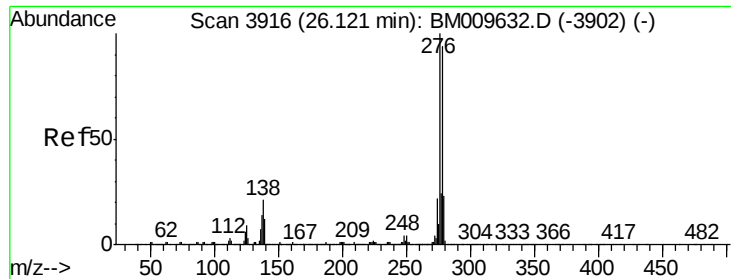
mohammad
4/10/2017 1:24:07 PM



#28
Indeno(1,2,3-cd)pyrene
Concen: 10.06 ng/ul
RT: 26.11 min Scan# 3915
Delta R.T. 0.01 min
Lab File: BM009636.D
Acq: 07 Apr 2017 19:26

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
138	17.3	17.8	26.6#
277	24.9	19.4	29.0





#29

Dibenzo(a,h)anthracene

Concen: 3.60 ng/ul m

RT: 26.12 min Scan# 3916

Delta R.T. 0.00 min

Lab File: BM009636.D

Acq: 07 Apr 2017 19:26

Instrument :

BNA_M

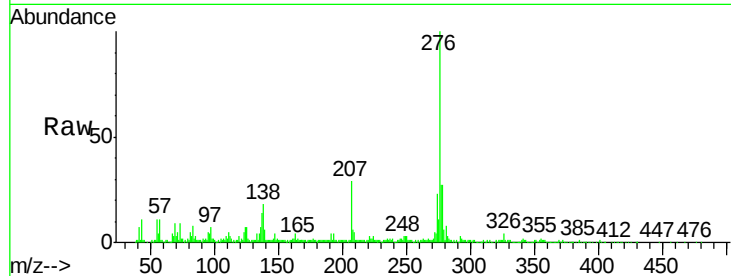
ClientSampleId :

CB391

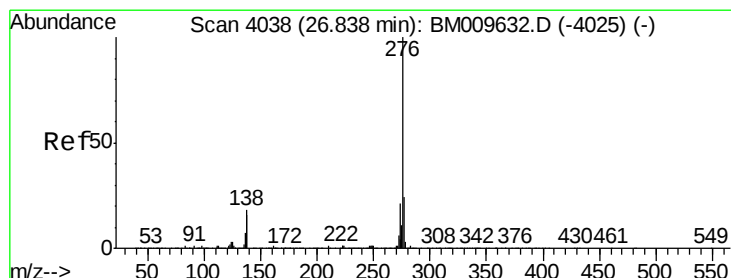
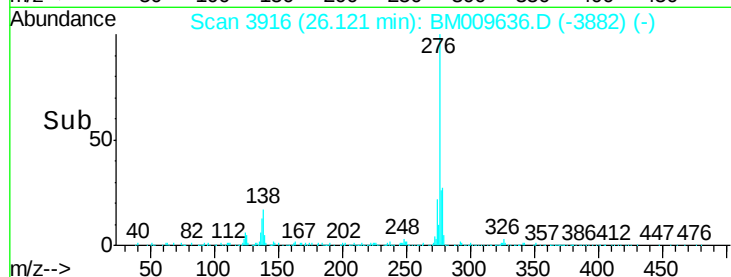
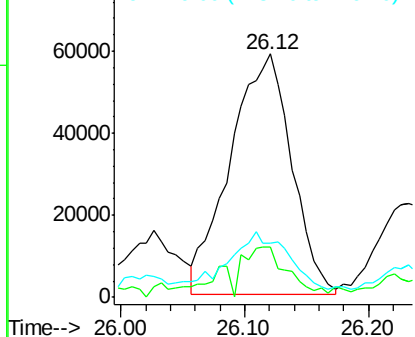
Tgt Ion:	278	Resp:	204293
Ion Ratio	Lower	Upper	
278	100		
139	20.6	14.0	21.0
279	22.2	20.6	31.0

Manual Integrations
APPROVED

mohammad
4/10/2017 1:24:07 PM



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



#30

Benzo(g,h,i)perylene

Concen: 12.05 ng/ul

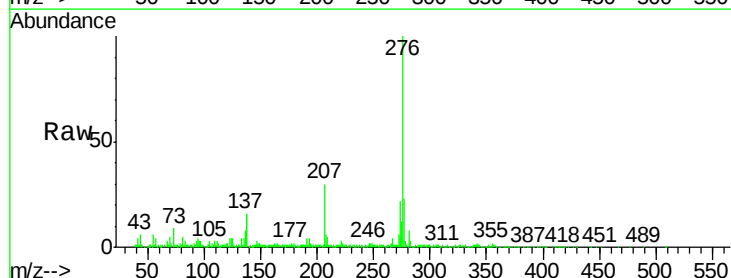
RT: 26.85 min Scan# 4040

Delta R.T. 0.01 min

Lab File: BM009636.D

Acq: 07 Apr 2017 19:26

Tgt Ion:	276	Resp:	663504
Ion Ratio	Lower	Upper	
276	100		
138	15.7	19.0	28.4#
277	22.8	19.7	29.5



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

