

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM031717\
 Data File : BM009276.D
 Acq On : 17 Mar 2017 16:25
 Operator : SJ/MA
 Sample : I2218-18
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CB2Z7

Manual Integrations
 APPROVED

mohammad
 3/20/2017 12:07:03 PM

Quant Time: Mar 18 00:52:11 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	103850	20.00	ng/ul	0.00
2) Naphthalene-d8	10.67	136	462576	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.52	164	324859	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.26	188	903856	20.00	ng/ul	0.00
18) Chrysene-d12	21.43	240	1529652	20.00	ng/ul	0.00
23) Perylene-d12	23.77	264	1615423	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.29	165	3377	0.45	ng/uL	0.00
7) Acenaphthylene-d8	14.21	160	344052	12.49	ng/ul	0.00
10) Fluorene-d10	15.51	176	372850	15.44	ng/ul	0.00
15) Anthracene-d10	17.36	188	617874m	14.39	ng/ul	0.00
19) Pyrene-d10	19.65	212	904206	14.74	ng/ul	0.00
26) Benzo(a)pyrene-d12	23.62	264	1025908	13.97	ng/ul	0.00
Target Compounds						
						Qvalue
4) Naphthalene	10.73	128	26830	1.14	ng/ul#	85
8) Acenaphthylene	14.24	152	34443	1.24	ng/ul	98
9) Acenaphthene	14.57	153	21951	1.09	ng/ul#	83
11) Fluorene	15.56	166	34634	1.25	ng/ul	95
14) Phenanthrene	17.30	178	935199	18.37	ng/ul	97
16) Anthracene	17.40	178	115997	2.20	ng/ul	96
17) Fluoranthene	19.32	202	1463634m	22.69	ng/ul	
20) Pyrene	19.68	202	1548310	19.62	ng/ul	96
21) Benzo(a)anthracene	21.42	228	863855	9.92	ng/ul	99
22) Chrysene	21.47	228	944936	11.49	ng/ul	96
24) Benzo(b)fluoranthene	23.06	252	1151272	12.11	ng/ul	99
25) Benzo(k)fluoranthene	23.10	252	265614m	2.96	ng/ul	
27) Benzo(a)pyrene	23.66	252	680394	7.44	ng/ul	98
28) Indeno(1,2,3-cd)pyrene	26.14	276	453387	4.17	ng/ul#	94
29) Dibenzo(a,h)anthracene	26.15	278	146092m	1.59	ng/ul	
30) Benzo(g,h,i)perylene	26.87	276	395866	4.38	ng/ul#	87

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

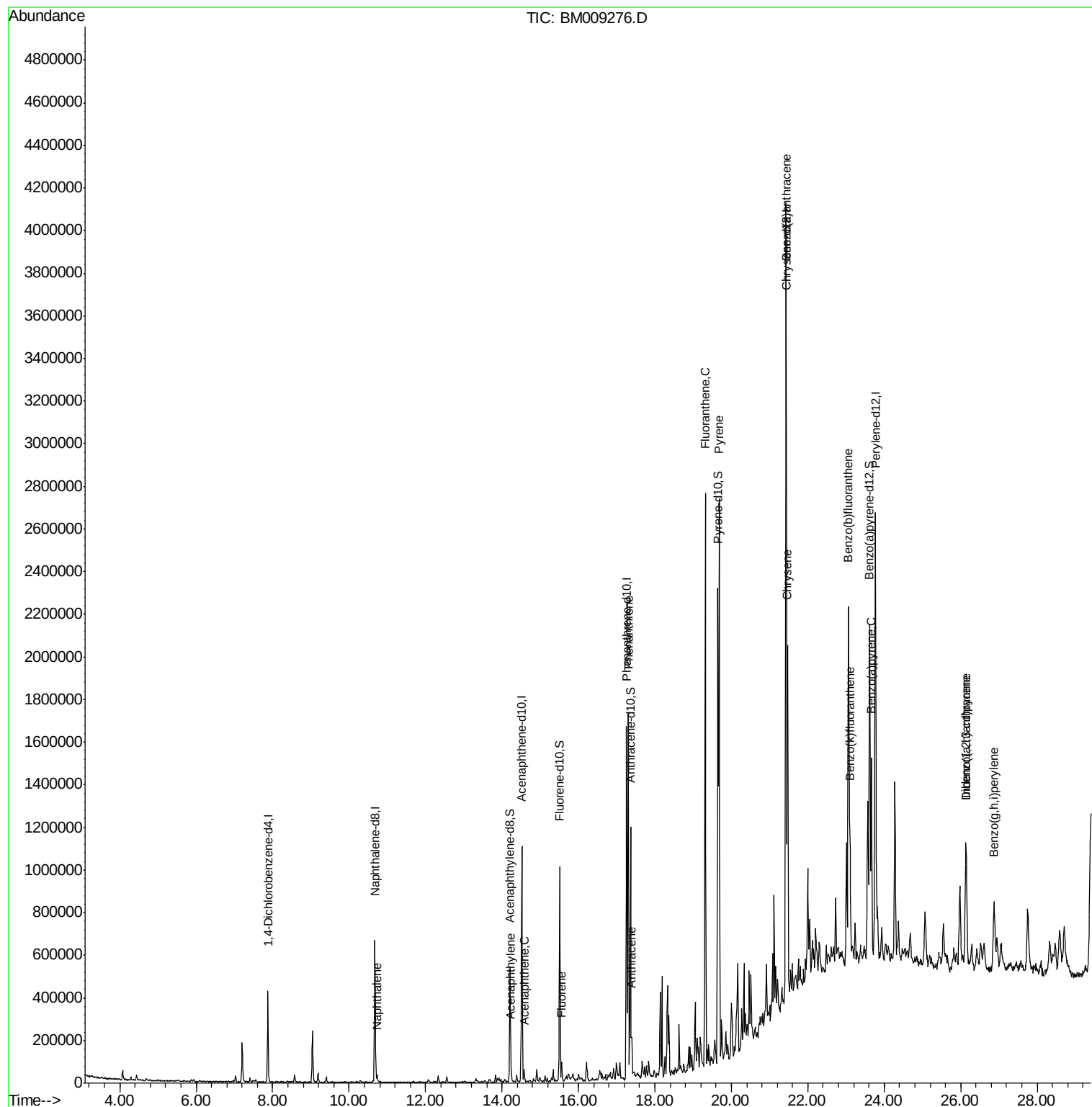
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM031717\
Data File : BM009276.D
Acq On : 17 Mar 2017 16:25
Operator : SJ/MA
Sample : I2218-18
Misc :
ALS Vial : 11 Sample Multiplier: 1

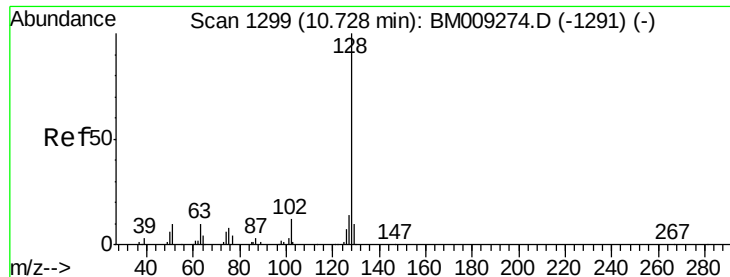
Instrument :
BNA_M
ClientSampleId :
CB2Z7

Manual Integrations
APPROVED

mohammad
3/20/2017 12:07:03 PM

Quant Time: Mar 18 00:52:11 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: 1.14 ng/ul

RT: 10.73 min Scan# 1299

Delta R.T. 0.00 min

Lab File: BM009276.D

Acq: 17 Mar 2017 16:25

Instrument :

BNA_M

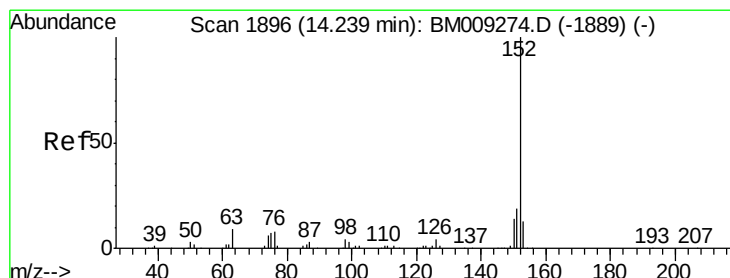
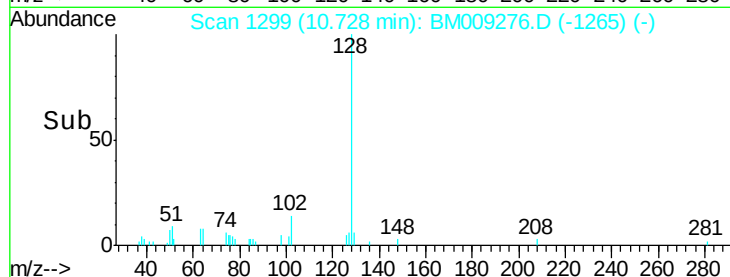
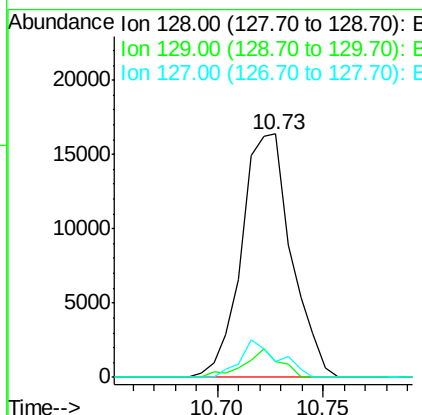
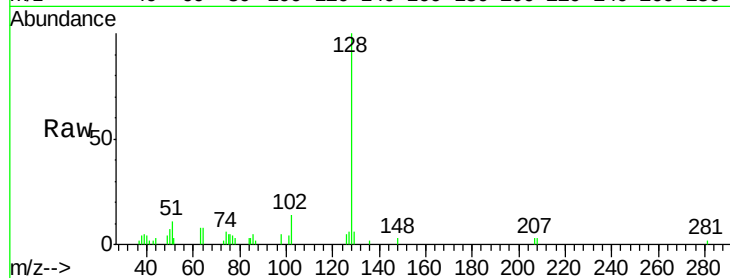
ClientSampleId :

CB2Z7

Tgt Ion:	128	Resp:	26830
Ion Ratio	Lower	Upper	
128	100		
129	6.2	9.1	13.7#
127	6.4	10.6	15.8#

Manual Integrations
APPROVED

mohammad
3/20/2017 12:07:03 PM



#8

Acenaphthylene

Concen: 1.24 ng/ul

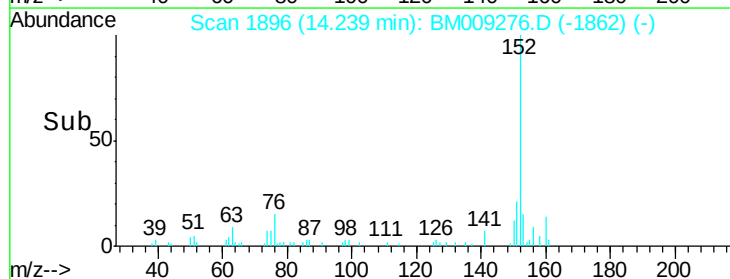
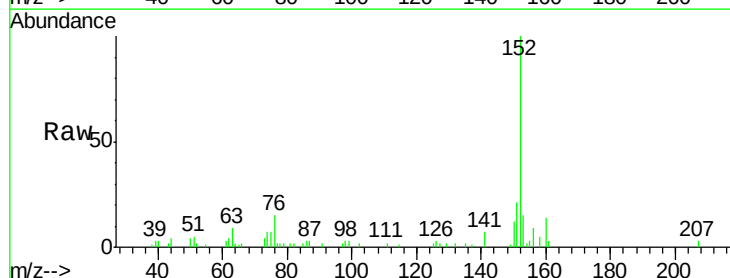
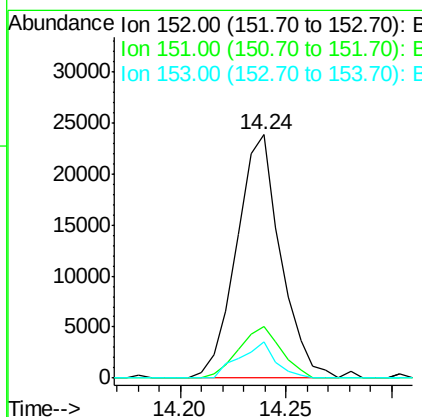
RT: 14.24 min Scan# 1896

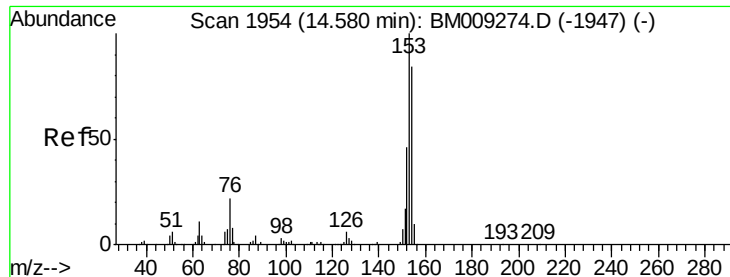
Delta R.T. 0.00 min

Lab File: BM009276.D

Acq: 17 Mar 2017 16:25

Tgt Ion:	152	Resp:	34443
Ion Ratio	Lower	Upper	
152	100		
151	21.4	17.5	26.3
153	14.9	10.6	16.0





#9

Acenaphthene

Concen: 1.09 ng/ul

RT: 14.57 min Scan# 1953

Delta R.T. -0.01 min

Lab File: BM009276.D

Acq: 17 Mar 2017 16:25

Instrument :

BNA_M

ClientSampleId :

CB2Z7

Tgt Ion:153 Resp: 21951

Ion Ratio Lower Upper

153 100

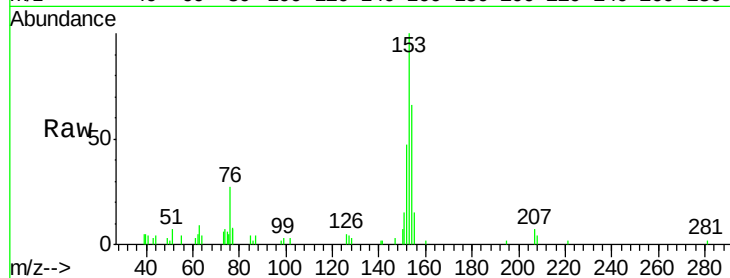
152 46.7 37.9 56.9

154 66.1 71.6 107.4#

Manual Integrations
APPROVED

mohammad

3/20/2017 12:07:03 PM



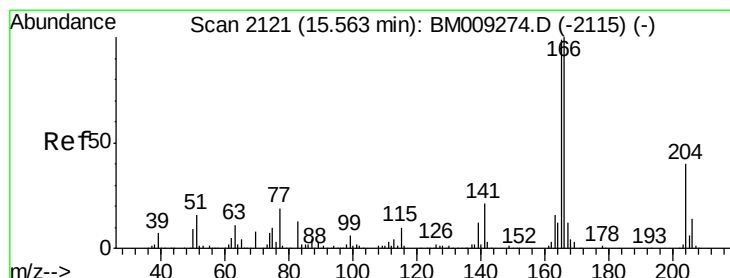
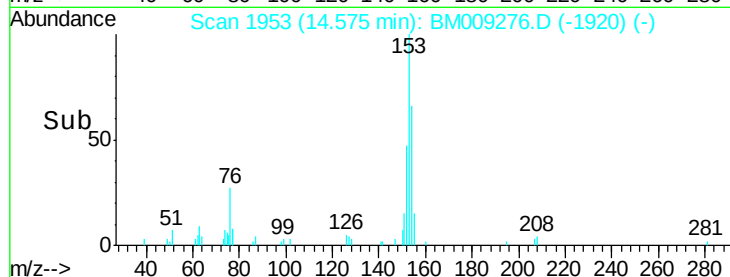
Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

14.57

Time-->



#11

Fluorene

Concen: 1.25 ng/ul

RT: 15.56 min Scan# 2121

Delta R.T. 0.00 min

Lab File: BM009276.D

Acq: 17 Mar 2017 16:25

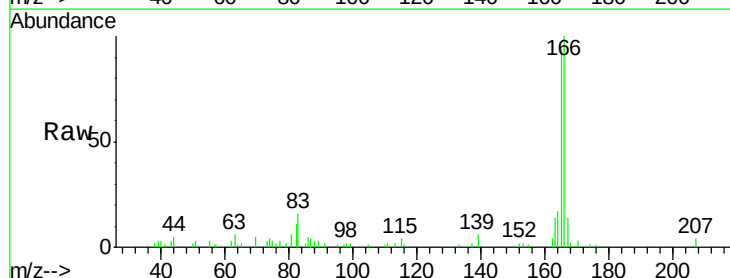
Tgt Ion:166 Resp: 34634

Ion Ratio Lower Upper

166 100

165 94.1 80.0 120.0

167 14.0 11.6 17.4



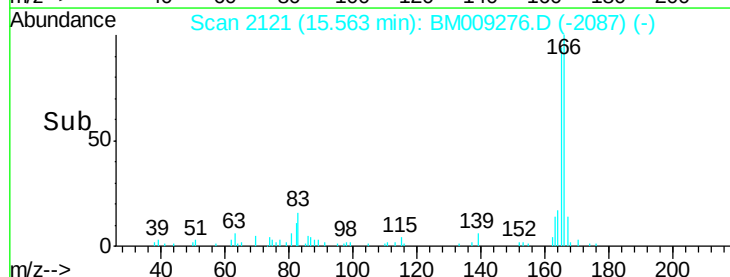
Abundance Ion 166.00 (165.70 to 166.70): E

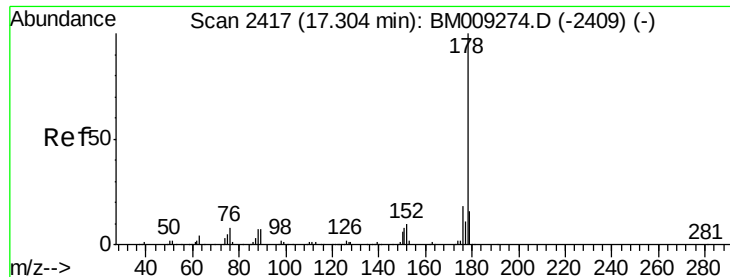
Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

15.56

Time-->





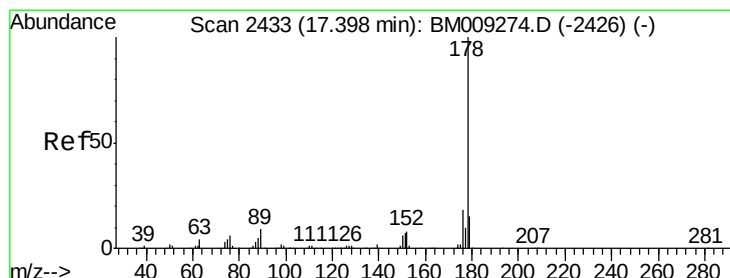
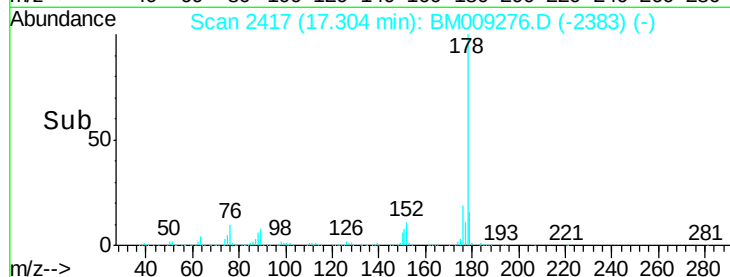
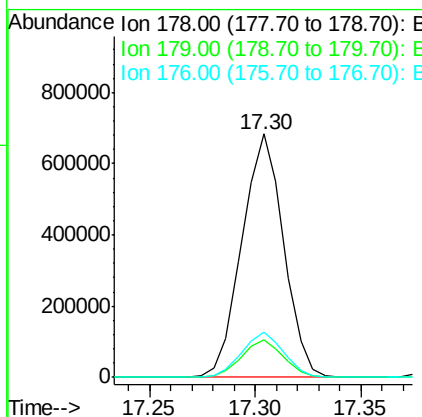
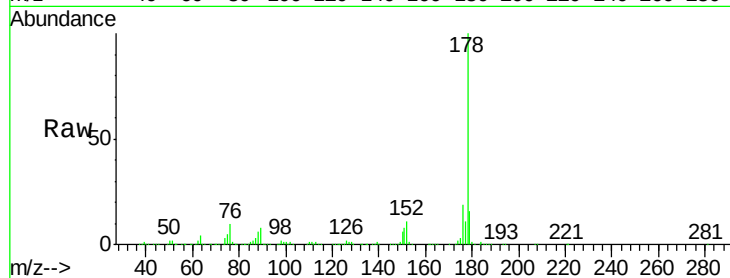
#14
Phenanthrene
Concen: 18.37 ng/ul
RT: 17.30 min Scan# 2417
Delta R.T. 0.00 min
Lab File: BM009276.D
Acq: 17 Mar 2017 16:25

Instrument :
BNA_M
ClientSampleId :
CB2Z7

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	935199		
179	15.5	12.2	18.4	
176	18.6	16.4	24.6	

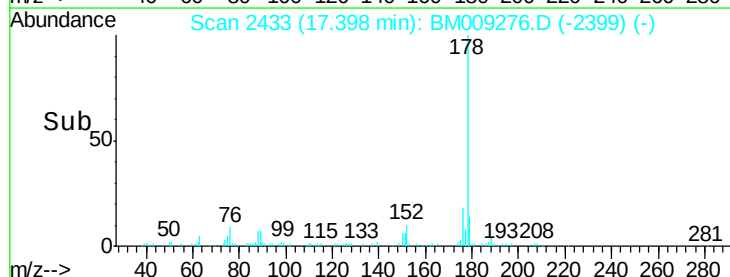
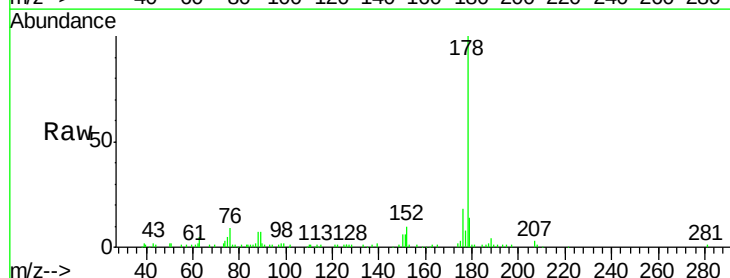
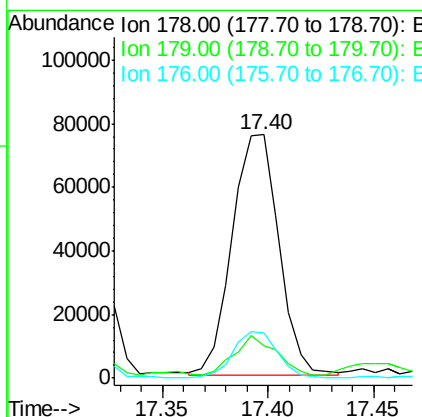
Manual Integrations
APPROVED

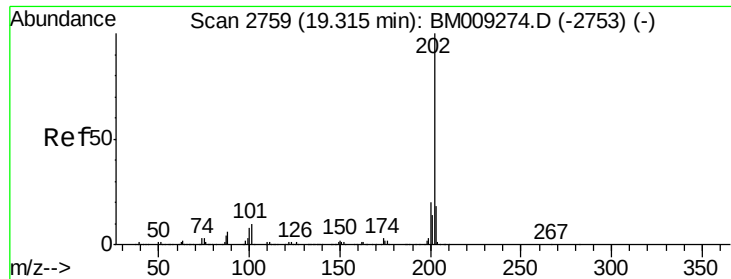
mohammad
3/20/2017 12:07:03 PM



#16
Anthracene
Concen: 2.20 ng/ul
RT: 17.40 min Scan# 2433
Delta R.T. 0.00 min
Lab File: BM009276.D
Acq: 17 Mar 2017 16:25

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	115997		
179	13.5	12.7	19.1	
176	18.3	15.8	23.8	





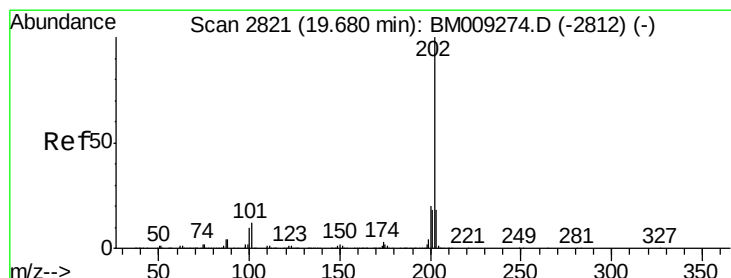
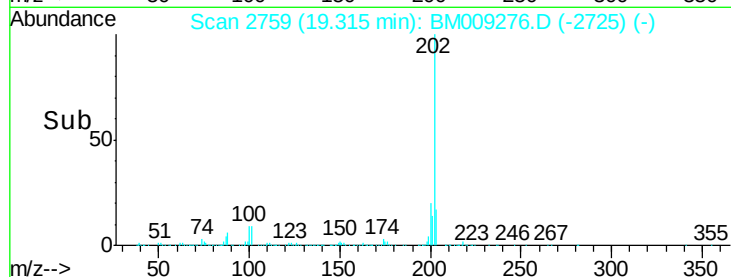
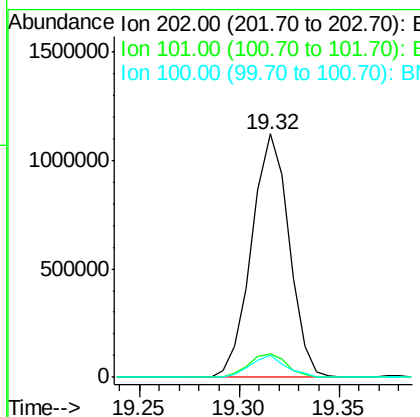
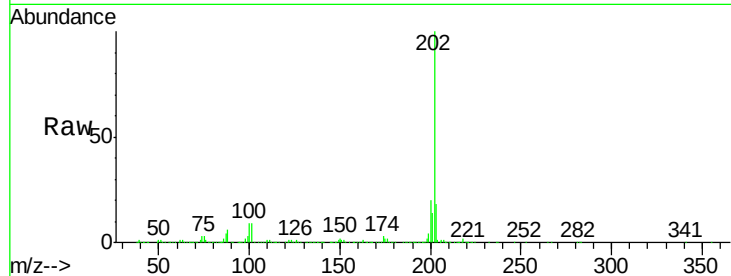
#17
Fluoranthene
 Concen: 22.69 ng/ul m
 RT: 19.32 min Scan# 2759
 Delta R.T. 0.00 min
 Lab File: BM009276.D
 Acq: 17 Mar 2017 16:25

Instrument :
 BNA_M
 ClientSampleId :
 CB2Z7

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	1463634		
101	9.5		9.8	14.8#
100	8.9		7.5	11.3

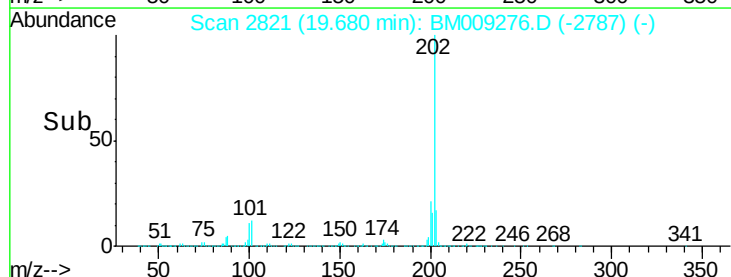
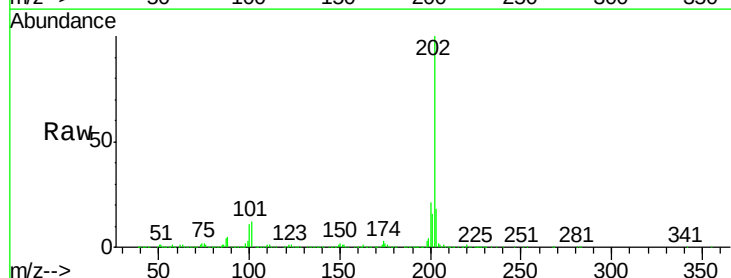
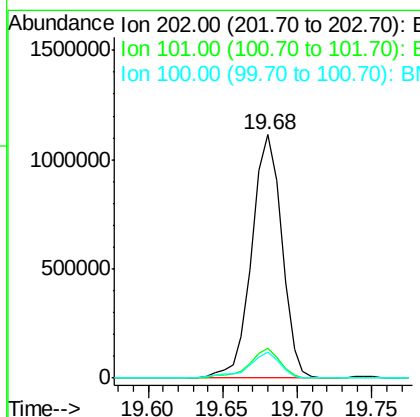
Manual Integrations
 APPROVED

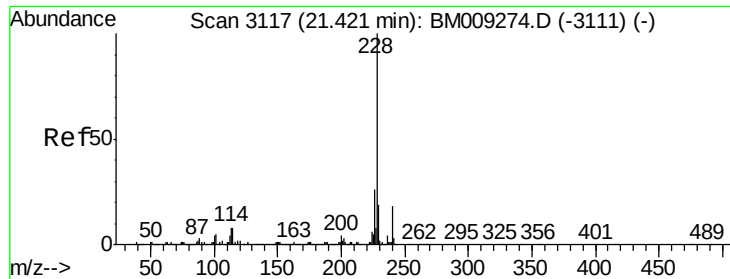
mohammad
 3/20/2017 12:07:03 PM



#20
Pyrene
 Concen: 19.62 ng/ul
 RT: 19.68 min Scan# 2821
 Delta R.T. 0.00 min
 Lab File: BM009276.D
 Acq: 17 Mar 2017 16:25

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	1548310		
101	12.2		11.2	16.8
100	10.6		9.8	14.6





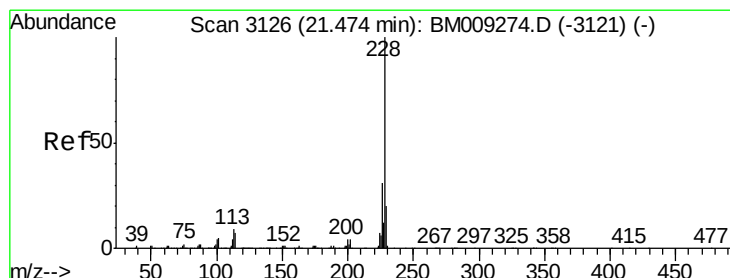
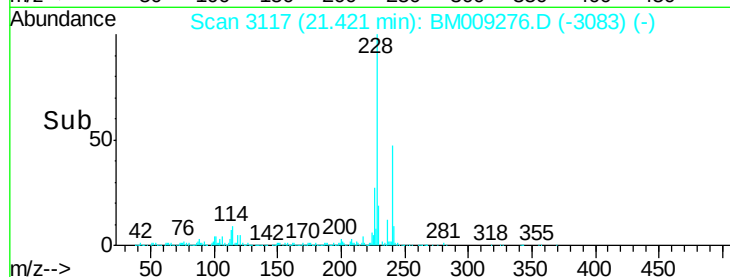
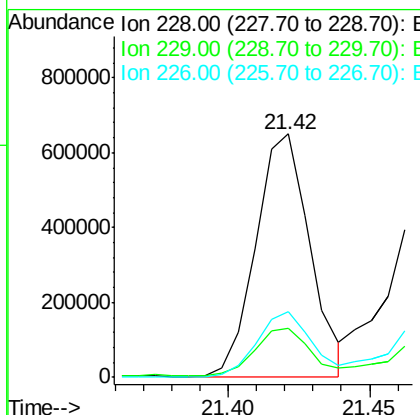
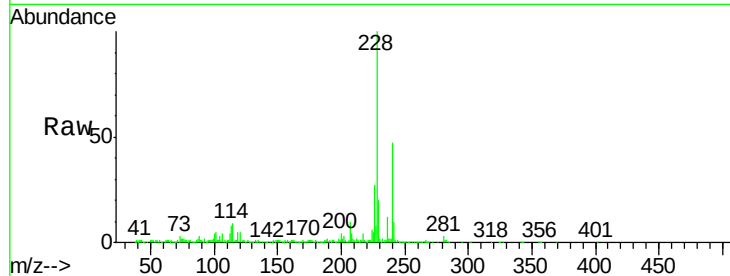
#21
Benzo(a)anthracene
Concen: 9.92 ng/ul
RT: 21.42 min Scan# 3117
Delta R.T. 0.00 min
Lab File: BM009276.D
Acq: 17 Mar 2017 16:25

Instrument :
BNA_M
ClientSampleId :
CB2Z7

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	863855		
229	20.3	15.9	23.9	
226	27.2	22.1	33.1	

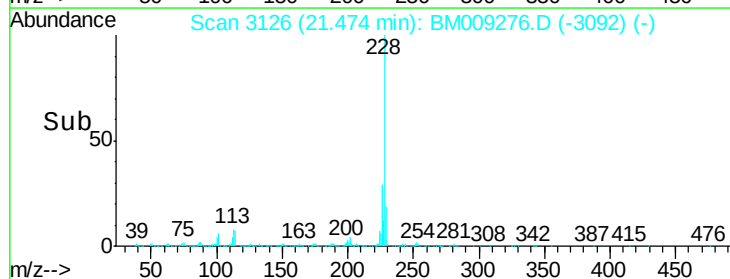
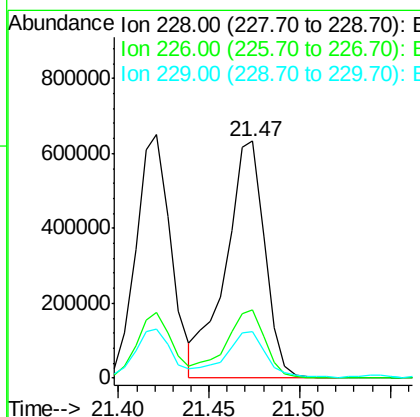
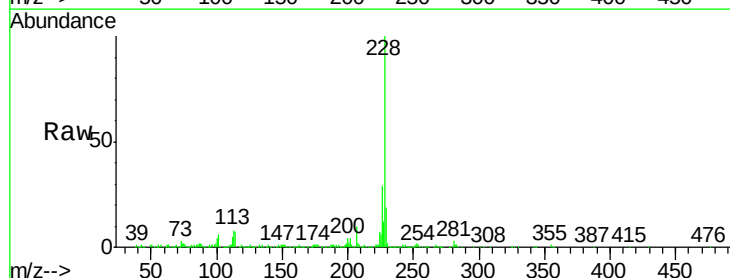
Manual Integrations
APPROVED

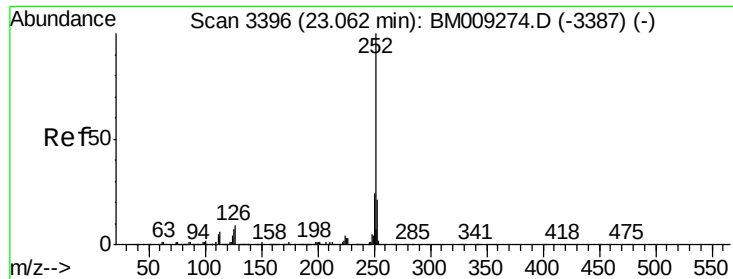
mohammad
3/20/2017 12:07:03 PM



#22
Chrysene
Concen: 11.49 ng/ul
RT: 21.47 min Scan# 3126
Delta R.T. 0.00 min
Lab File: BM009276.D
Acq: 17 Mar 2017 16:25

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	944936		
226	28.9	25.0	37.6	
229	19.4	16.6	25.0	





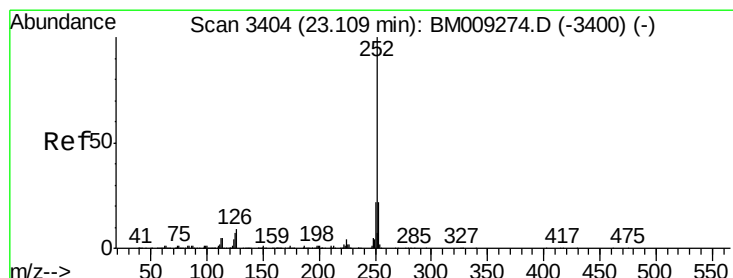
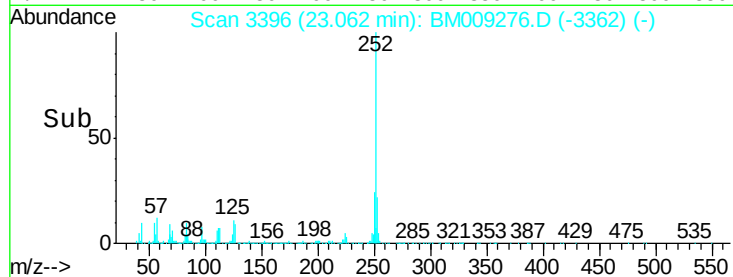
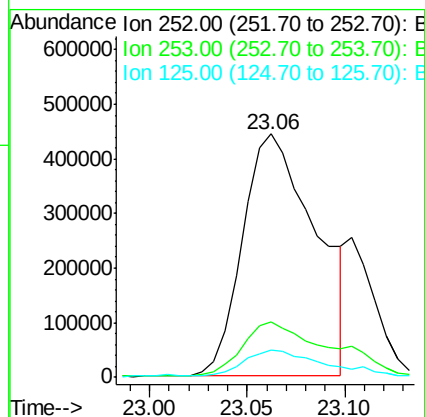
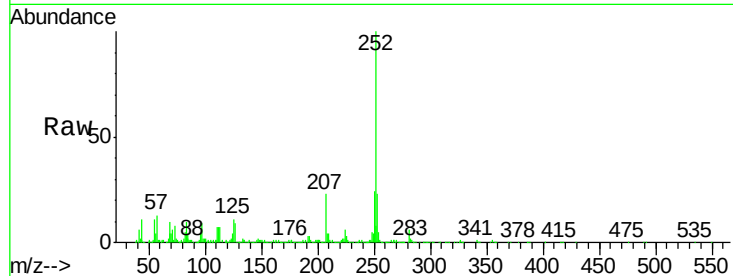
#24
Benzo(b)fluoranthene
Concen: 12.11 ng/ul
RT: 23.06 min Scan# 3396
Delta R.T. 0.00 min
Lab File: BM009276.D
Acq: 17 Mar 2017 16:25

Instrument :
BNA_M
ClientSampleId :
CB2Z7

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.8	26.6
125	11.3	9.4	14.0

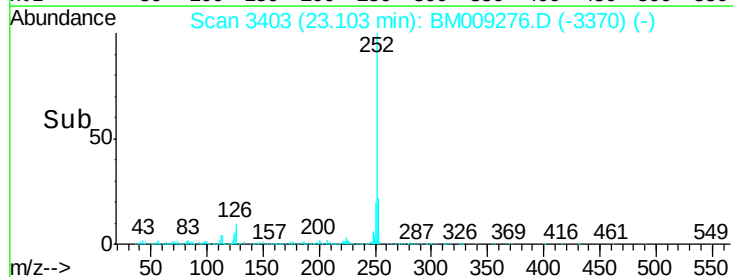
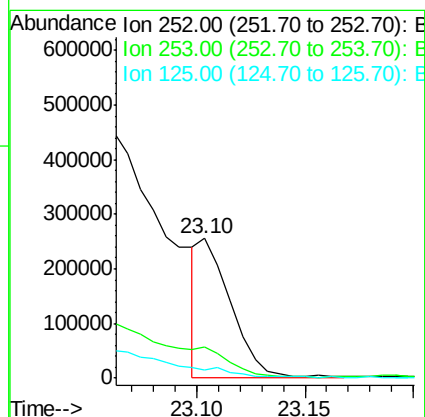
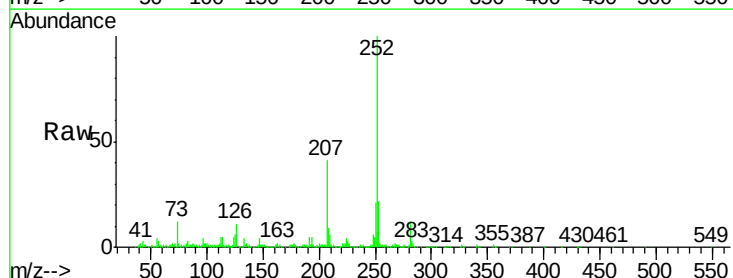
Manual Integrations
APPROVED

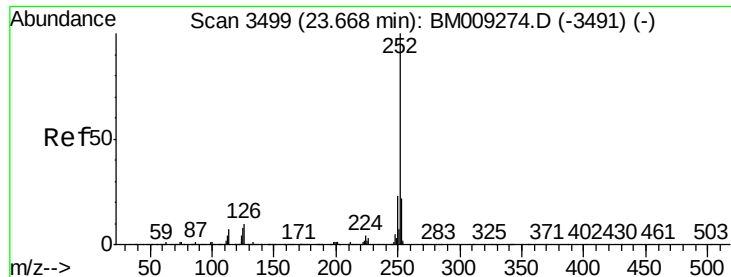
mohammad
3/20/2017 12:07:03 PM



#25
Benzo(k)fluoranthene
Concen: 2.96 ng/ul m
RT: 23.10 min Scan# 3403
Delta R.T. -0.01 min
Lab File: BM009276.D
Acq: 17 Mar 2017 16:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.4	26.2
125	6.0	8.8	13.2#





#27

Benzo(a)pyrene

Concen: 7.44 ng/ul

RT: 23.66 min Scan# 3498

Delta R.T. -0.01 min

Lab File: BM009276.D

Acq: 17 Mar 2017 16:25

Instrument :

BNA_M

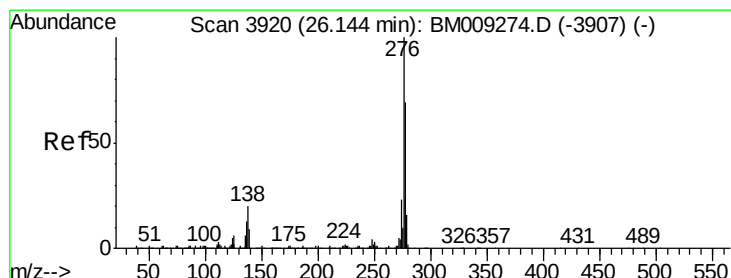
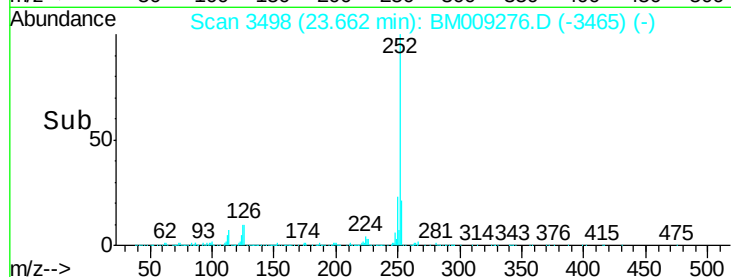
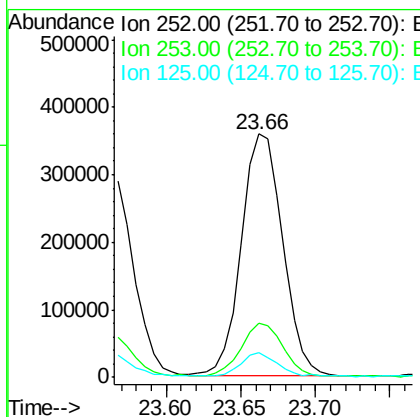
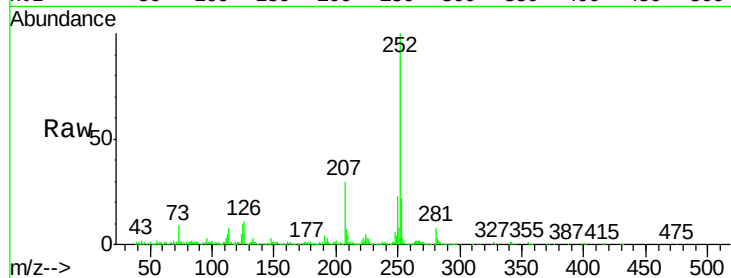
ClientSampleId :

CB2Z7

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	680394		
253	22.0		17.1	25.7
125	10.4		9.4	14.2

Manual Integrations
APPROVED

mohammad
3/20/2017 12:07:03 PM



#28

Indeno(1,2,3-cd)pyrene

Concen: 4.17 ng/ul

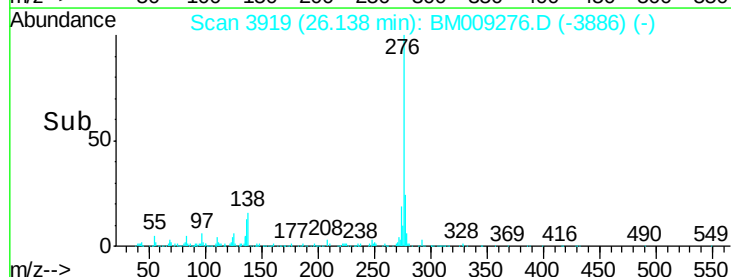
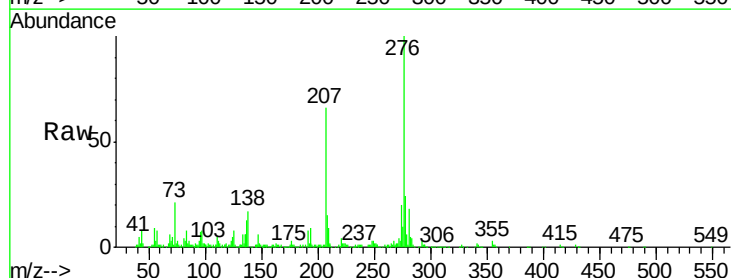
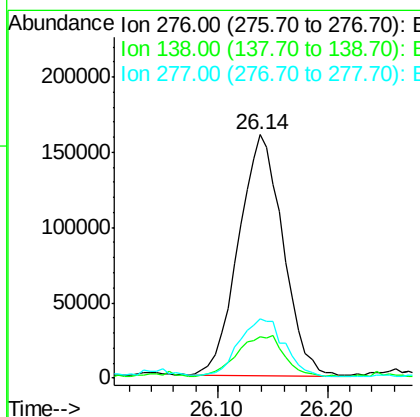
RT: 26.14 min Scan# 3919

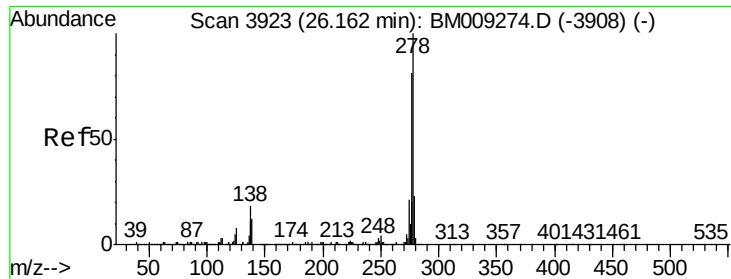
Delta R.T. -0.01 min

Lab File: BM009276.D

Acq: 17 Mar 2017 16:25

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	453387		
138	16.8		17.8	26.6#
277	24.3		19.4	29.0





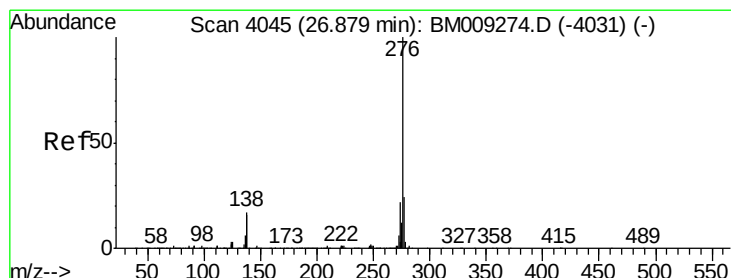
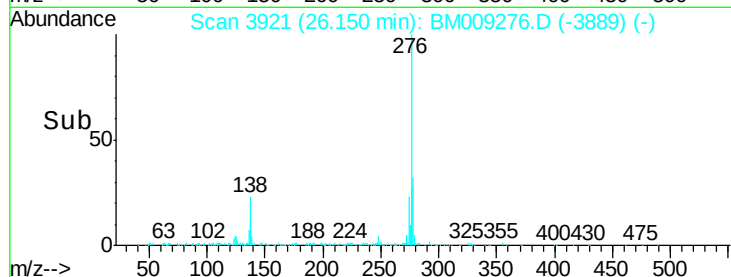
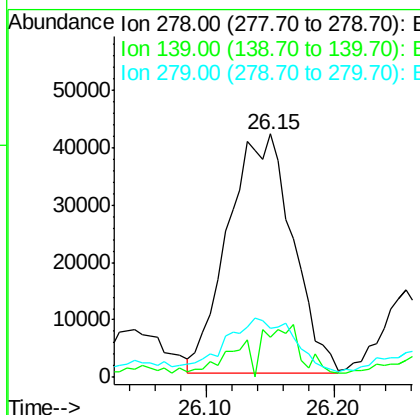
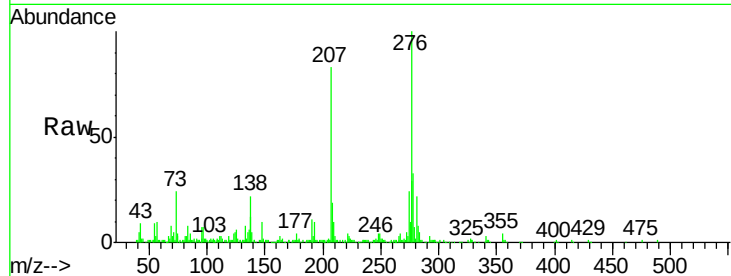
#29
Dibenzo(a,h)anthracene
Concen: 1.59 ng/ul m
RT: 26.15 min Scan# 3921
Delta R.T. -0.01 min
Lab File: BM009276.D
Acq: 17 Mar 2017 16:25

Instrument :
BNA_M
ClientSampleId :
CB2Z7

Tgt Ion	Ratio	Lower	Upper
278	100		
139	16.6	14.0	21.0
279	20.4	20.6	31.0#

Manual Integrations
APPROVED

mohammad
3/20/2017 12:07:03 PM



#30
Benzo(g,h,i)perylene
Concen: 4.38 ng/ul
RT: 26.87 min Scan# 4044
Delta R.T. -0.01 min
Lab File: BM009276.D
Acq: 17 Mar 2017 16:25

Tgt Ion	Ratio	Lower	Upper
276	100		
138	13.6	19.0	28.4#
277	21.9	19.7	29.5

