

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122816\
 Data File : BM008708.D
 Acq On : 29 Dec 2016 00:33
 Operator : UM/SJ
 Sample : H6067-18
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA7H4

Manual Integrations
 APPROVED

mohammad
 12/30/2016 8:54:02 AM

Quant Time: Dec 29 05:59:01 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 29 03:29:39 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	489m	0.40	ng/ul	-0.17
2) Naphthalene-d8	10.42	136	1362	0.40	ng/ul	-0.15
6) Acenaphthene-d10	14.28	164	898m	0.40	ng/ul	-0.07
10) Phenanthrene-d10	17.04	188	1719m	0.40	ng/ul	-0.07
16) Chrysene-d12	21.26	240	1646m	0.40	ng/ul	-0.02
20) Perylene-d12	23.49	264	1465m	0.40	ng/ul	-0.03
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.03	152	630	0.30	ng/ul	-0.14
14) Fluoranthene-d10	19.08	212	1631m	0.34	ng/ul	-0.05
Target Compounds				Qvalue		
3) Naphthalene	10.46	128	2629	0.69	ng/ul	99
5) 2-Methylnaphthalene	12.10	142	3574	1.39	ng/ul	100
7) Acenaphthylene	14.00	152	420m	0.10	ng/ul	
8) Acenaphthene	14.33	153	262m	0.09	ng/ul	
9) Fluorene	15.34	166	449m	0.13	ng/ul	
12) Phenanthrene	17.07	178	5738m	1.09	ng/ul	
15) Fluoranthene	19.11	202	1332m	0.21	ng/ul	
17) Pyrene	19.47	202	1512m	0.24	ng/ul	
18) Benzo(a)anthracene	21.24	228	1033m	0.19	ng/ul	
19) Chrysene	21.29	228	1318m	0.22	ng/ul	
21) Benzo(b)fluoranthene	22.82	252	986m	0.17	ng/ul	
22) Benzo(k)fluoranthene	22.85	252	283m	0.05	ng/ul	
23) Benzo(a)pyrene	23.38	252	854m	0.16	ng/ul	
24) Indeno(1,2,3-cd)pyrene	25.74	276	372m	0.06	ng/ul	
26) Benzo(g,h,i)perylene	26.44	276	413m	0.08	ng/ul	

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

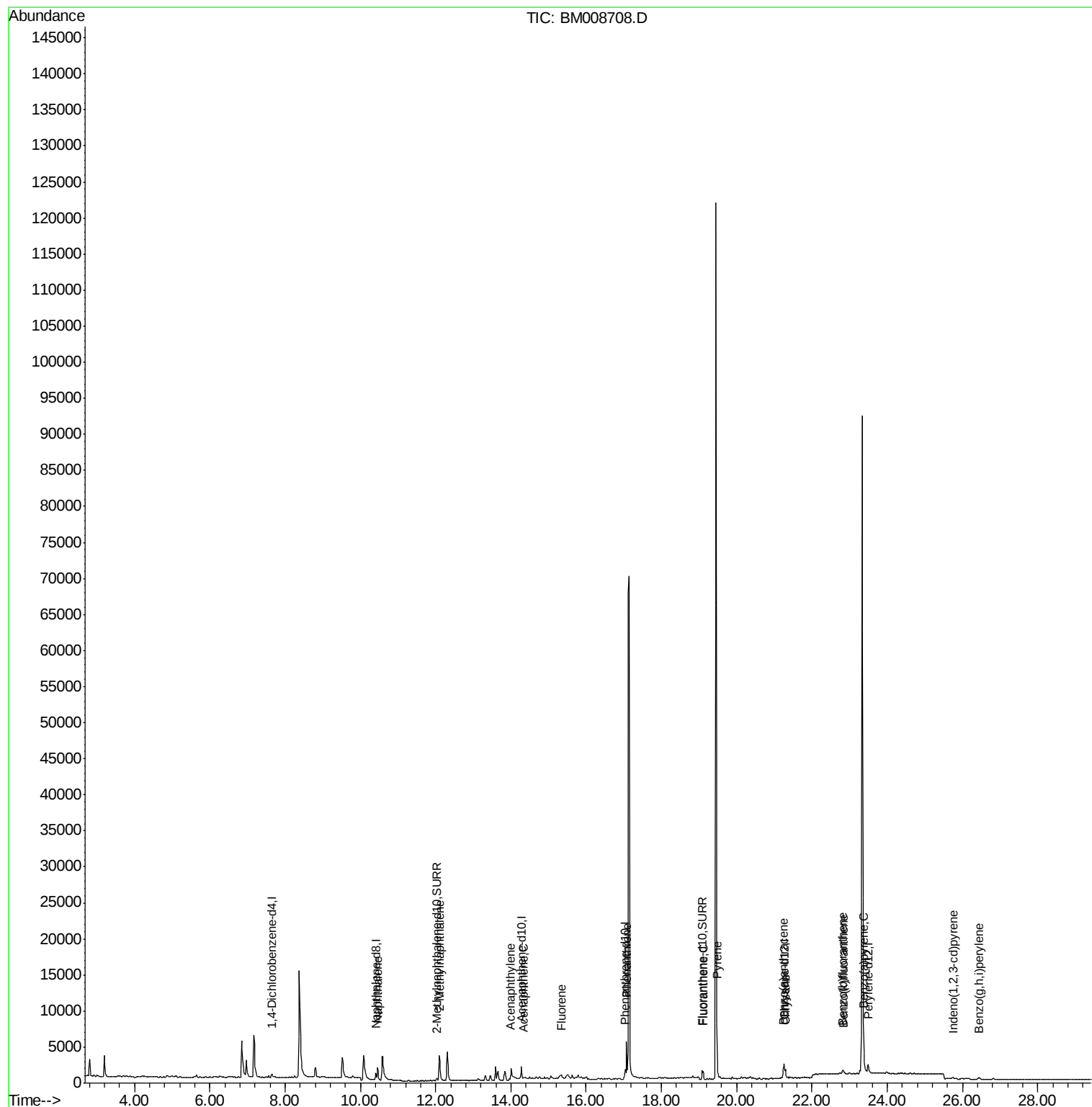
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122816\
Data File : BM008708.D
Acq On : 29 Dec 2016 00:33
Operator : UM/SJ
Sample : H6067-18
Misc :
ALS Vial : 20 Sample Multiplier: 1

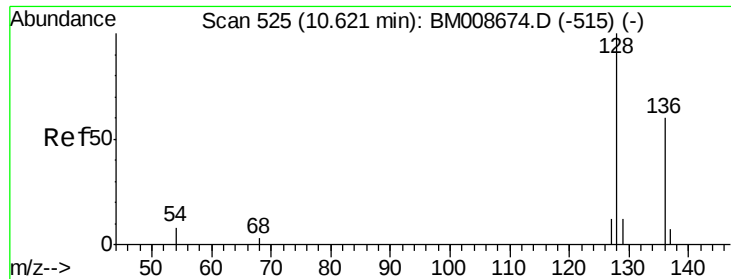
Instrument :
BNA_M
ClientSampleId :
DA7H4

Manual Integrations
APPROVED

mohammad
12/30/2016 8:54:02 AM

Quant Time: Dec 29 05:59:01 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 29 03:29:39 2016
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.69 ng/ul

RT: 10.46 min Scan# 512

Delta R.T. -0.15 min

Lab File: BM008708.D

Acq: 29 Dec 2016 00:33

Instrument :

BNA_M

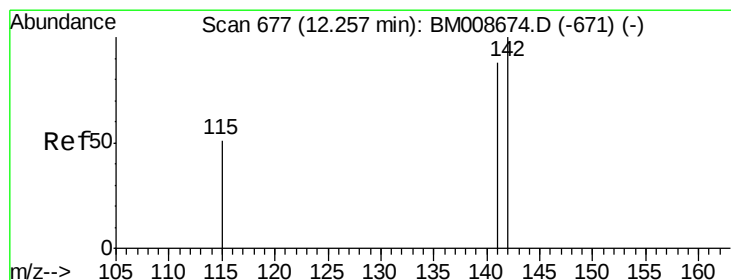
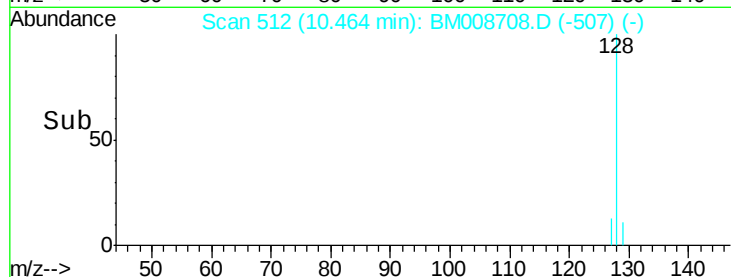
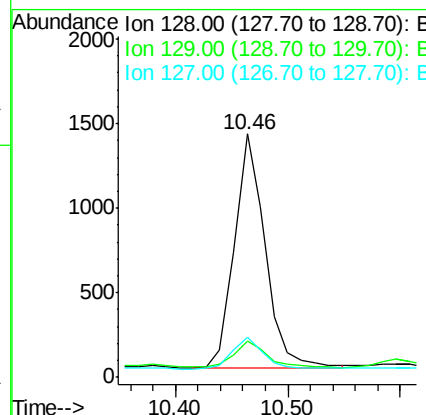
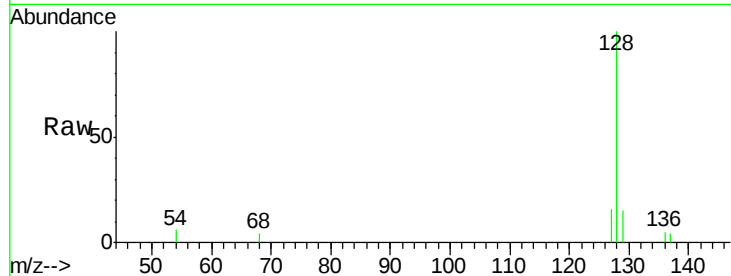
ClientSampleId :

DA7H4

Tgt Ion:	128	Resp:	2629
Ion Ratio	Lower	Upper	
128	100		
129	14.7	11.3	16.9
127	16.3	12.8	19.2

Manual Integrations
APPROVED

mohammad
12/30/2016 8:54:02 AM



#5

2-Methylnaphthalene

Concen: 1.39 ng/ul

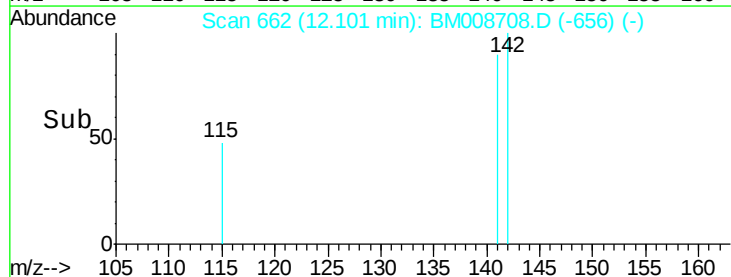
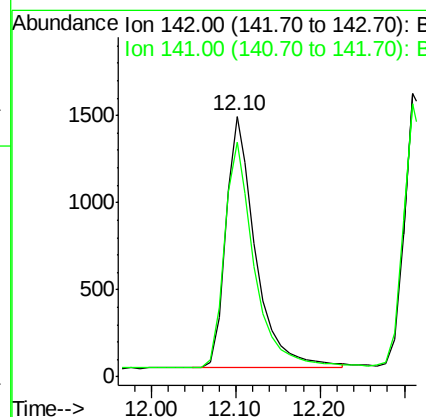
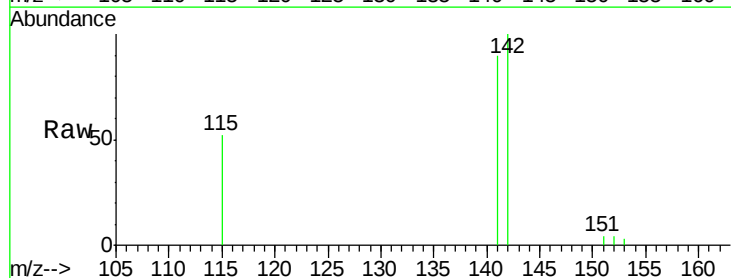
RT: 12.10 min Scan# 662

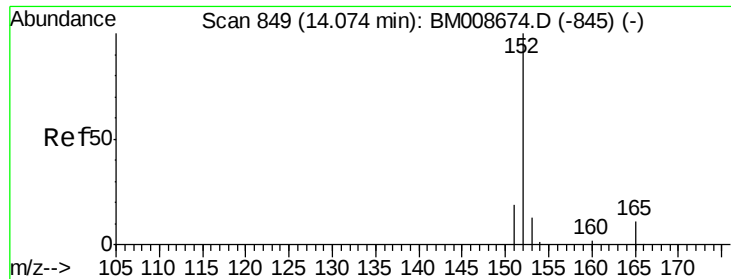
Delta R.T. -0.14 min

Lab File: BM008708.D

Acq: 29 Dec 2016 00:33

Tgt Ion:	142	Resp:	3574
Ion Ratio	Lower	Upper	
142	100		
141	90.2	72.6	108.8





#7

Acenaphthylene

Concen: 0.10 ng/ul m

RT: 14.00 min Scan# 844

Delta R.T. -0.08 min

Lab File: BM008708.D

Acq: 29 Dec 2016 00:33

Instrument :

BNA_M

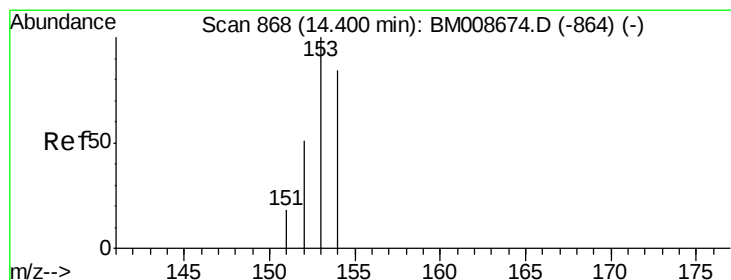
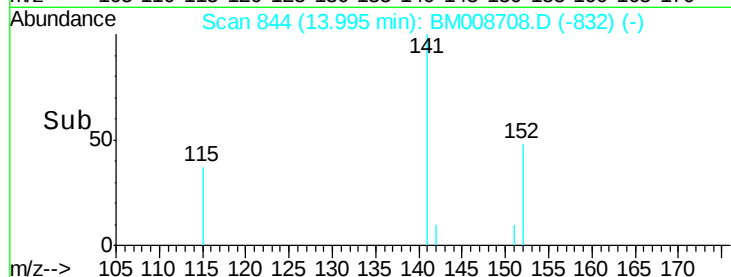
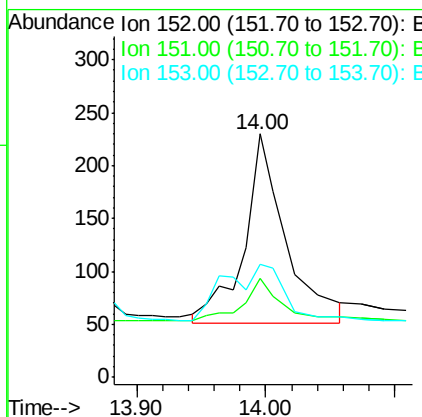
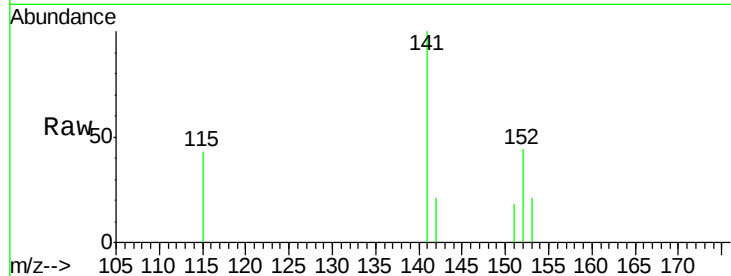
ClientSampleId :

DA7H4

Tgt Ion:	152	Resp:	420
Ion Ratio	Lower	Upper	
152	100		
151	40.9	17.1	25.7#
153	46.5	12.8	19.2#

Manual Integrations
APPROVED

mohammad
12/30/2016 8:54:02 AM



#8

Acenaphthene

Concen: 0.09 ng/ul m

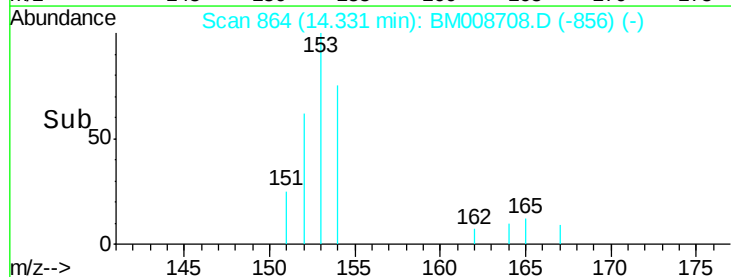
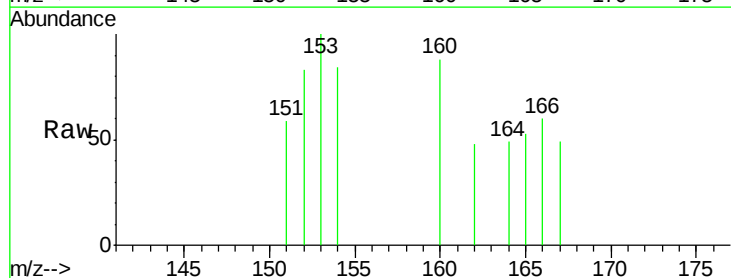
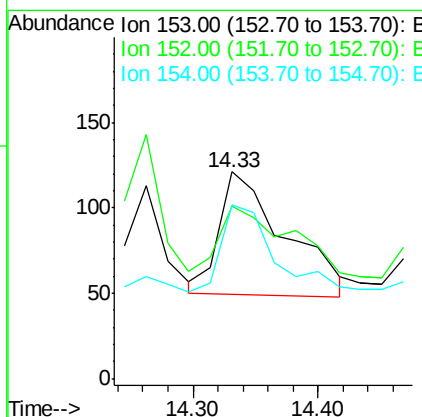
RT: 14.33 min Scan# 864

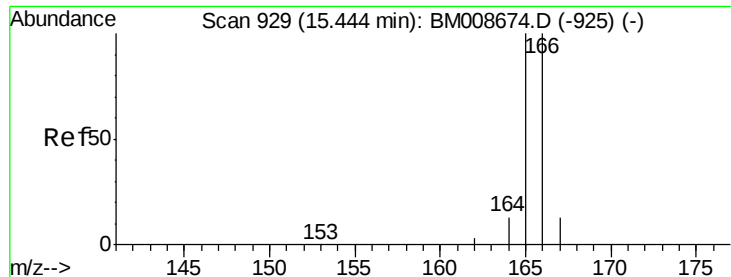
Delta R.T. -0.07 min

Lab File: BM008708.D

Acq: 29 Dec 2016 00:33

Tgt Ion:	153	Resp:	262
Ion Ratio	Lower	Upper	
153	100		
152	83.5	40.3	60.5#
154	84.3	71.4	107.2





#9

Fluorene

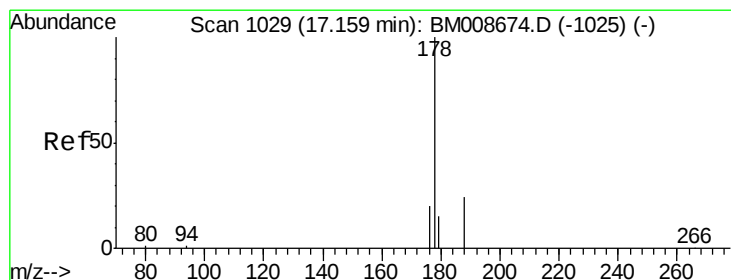
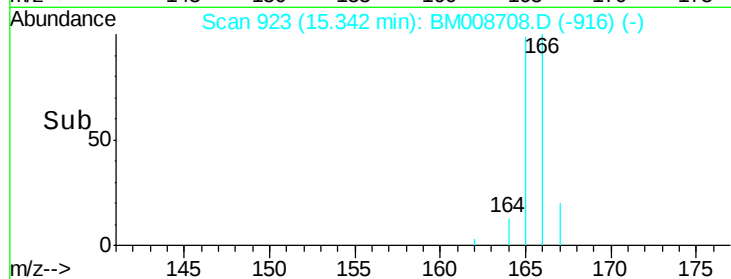
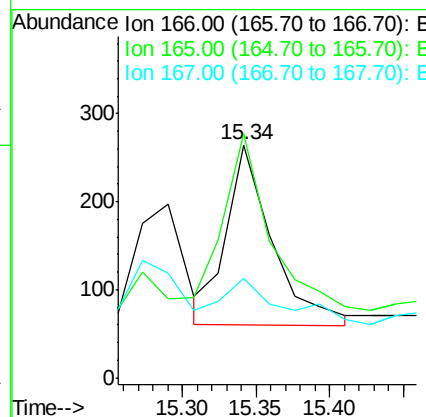
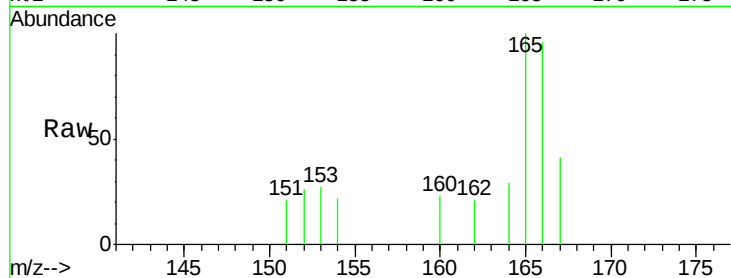
Concen: 0.13 ng/ul m
RT: 15.34 min Scan# 923
Delta R.T. -0.09 min
Lab File: BM008708.D
Acq: 29 Dec 2016 00:33

Instrument :
BNA_M
ClientSampleId :
DA7H4

Tgt Ion:166 Resp: 449
Ion Ratio Lower Upper
166 100
165 104.5 73.4 110.2
167 42.6 14.6 22.0#

Manual Integrations
APPROVED

mohammad
12/30/2016 8:54:02 AM

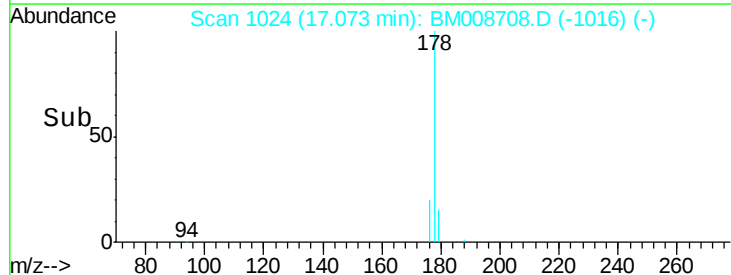
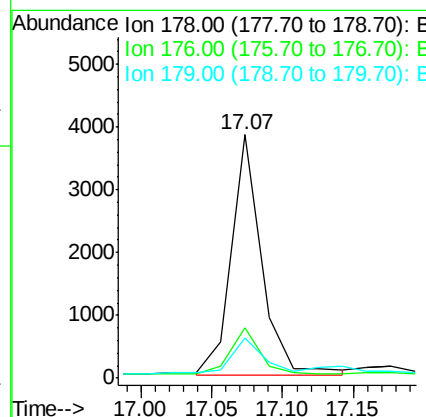
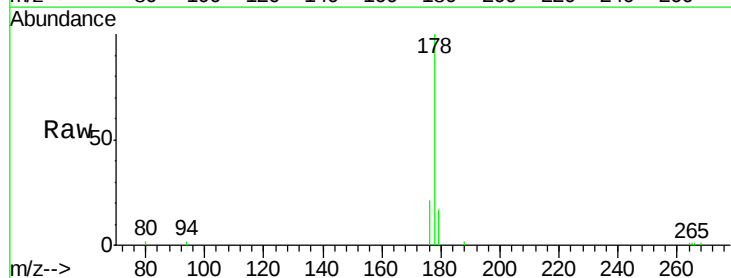


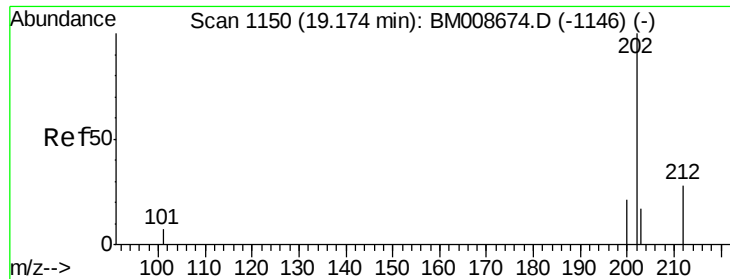
#12

Phenanthrene

Concen: 1.09 ng/ul m
RT: 17.07 min Scan# 1024
Delta R.T. -0.07 min
Lab File: BM008708.D
Acq: 29 Dec 2016 00:33

Tgt Ion:178 Resp: 5738
Ion Ratio Lower Upper
178 100
176 20.8 18.4 27.6
179 16.6 13.6 20.4





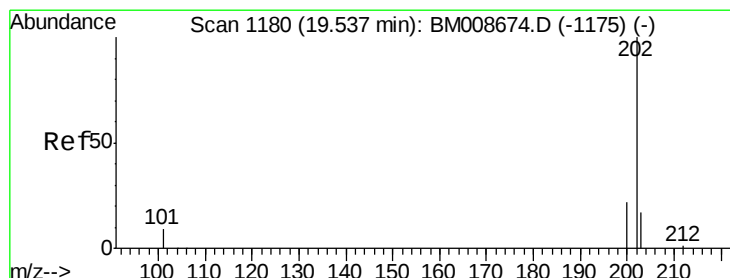
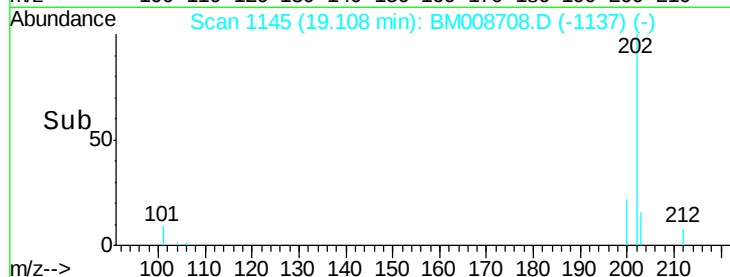
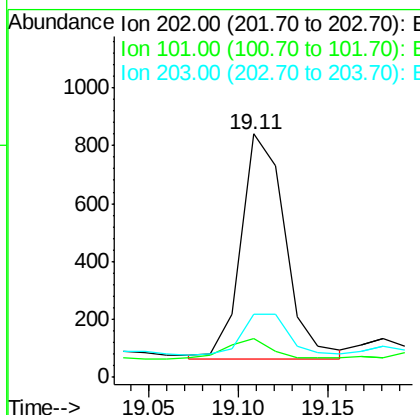
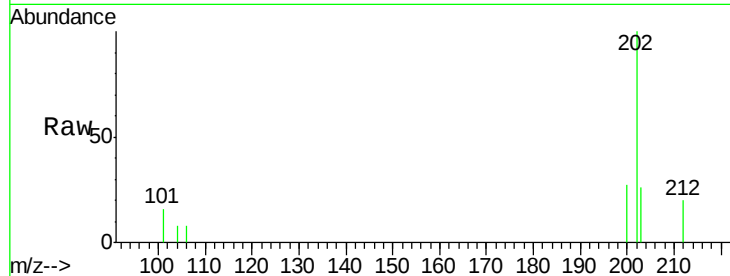
#15
Fluoranthene
Concen: 0.21 ng/ul m
RT: 19.11 min Scan# 1145
Delta R.T. -0.05 min
Lab File: BM008708.D
Acq: 29 Dec 2016 00:33

Instrument :
BNA_M
ClientSampleId :
DA7H4

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	1332		
101	16.2	0.0	30.3	
203	26.2	0.0	39.5	

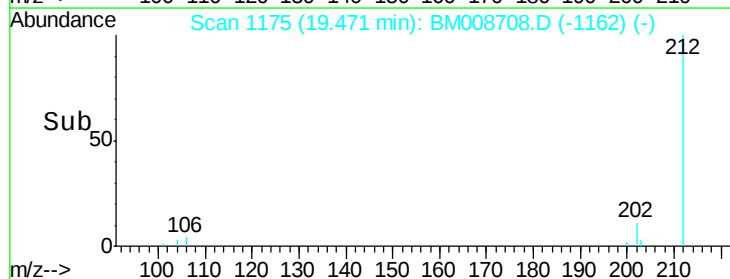
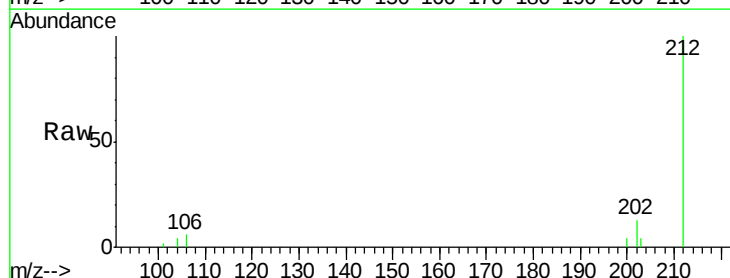
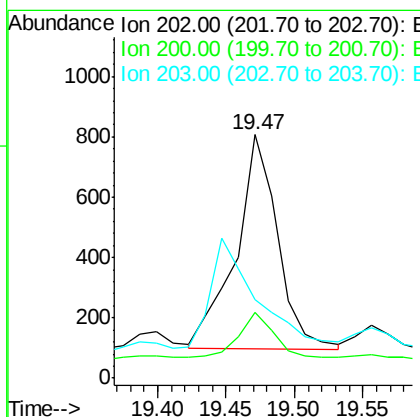
Manual Integrations
APPROVED

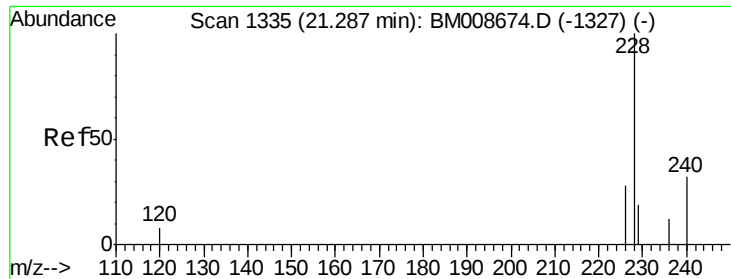
mohammad
12/30/2016 8:54:02 AM



#17
Pyrene
Concen: 0.24 ng/ul m
RT: 19.47 min Scan# 1175
Delta R.T. -0.05 min
Lab File: BM008708.D
Acq: 29 Dec 2016 00:33

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	1512		
200	27.0	18.2	27.4	
203	32.5	15.6	23.4#	





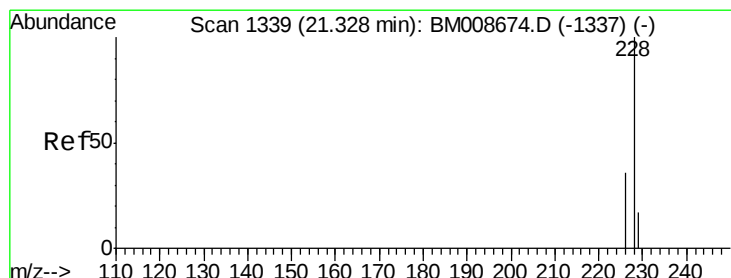
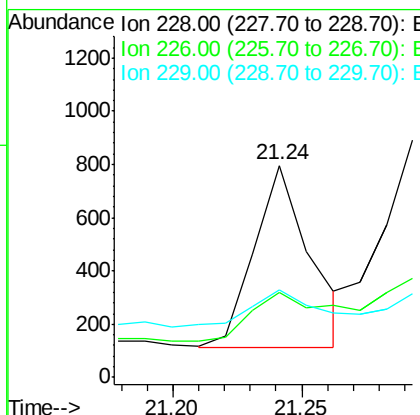
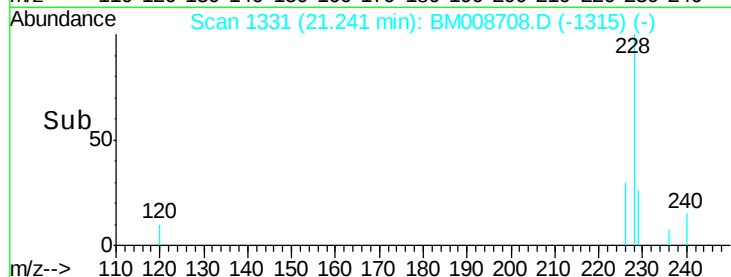
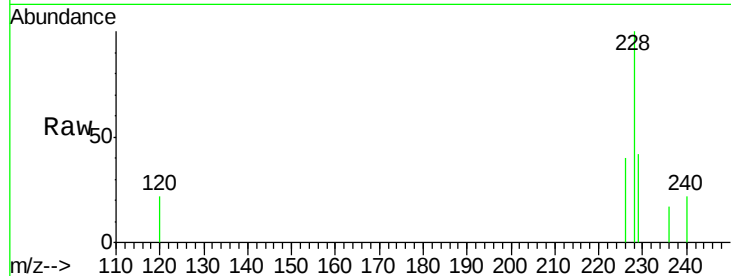
#18
Benzo(a)anthracene
Concen: 0.19 ng/ul m
RT: 21.24 min Scan# 1331
Delta R.T. -0.03 min
Lab File: BM008708.D
Acq: 29 Dec 2016 00:33

Instrument :
BNA_M
ClientSampleId :
DA7H4

Tgt Ion	Ratio	Lower	Upper
228	100		
226	40.0	22.8	34.2#
229	41.5	17.0	25.6#

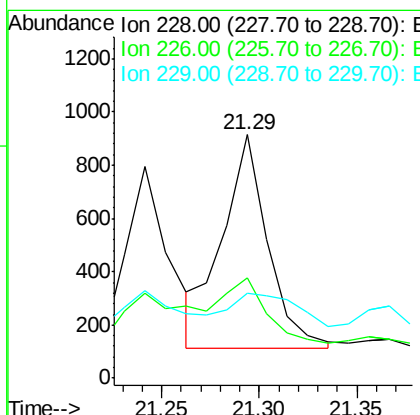
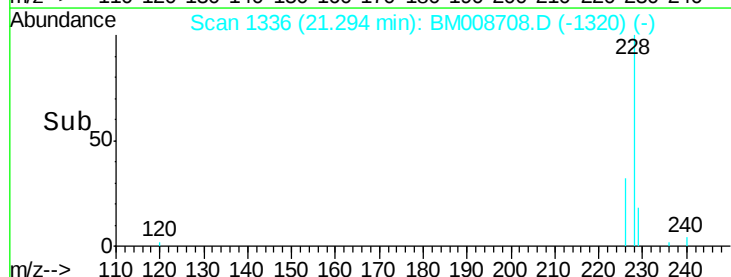
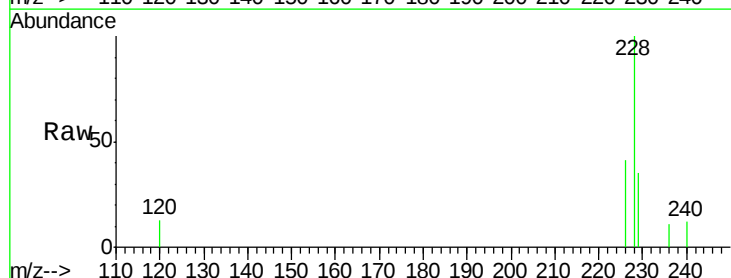
Manual Integrations
APPROVED

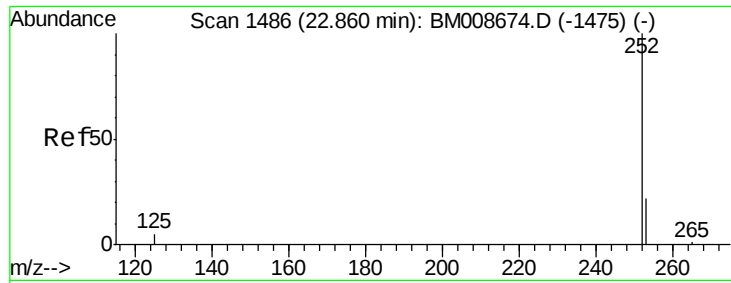
mohammad
12/30/2016 8:54:02 AM



#19
Chrysene
Concen: 0.22 ng/ul m
RT: 21.29 min Scan# 1336
Delta R.T. -0.03 min
Lab File: BM008708.D
Acq: 29 Dec 2016 00:33

Tgt Ion	Ratio	Lower	Upper
228	100		
226	41.3	23.4	35.0#
229	35.1	17.7	26.5#





#21

Benzo(b)fluoranthene

Concen: 0.17 ng/ul m

RT: 22.82 min Scan# 1482

Delta R.T. -0.03 min

Lab File: BM008708.D

Acq: 29 Dec 2016 00:33

Instrument :

BNA_M

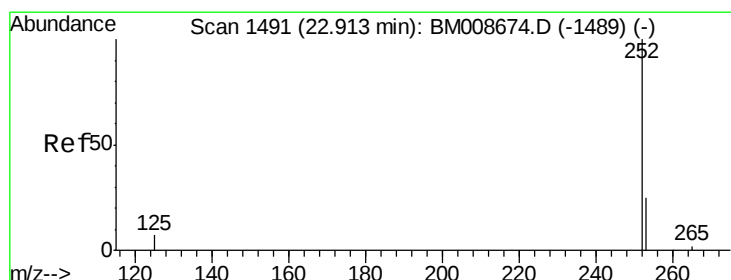
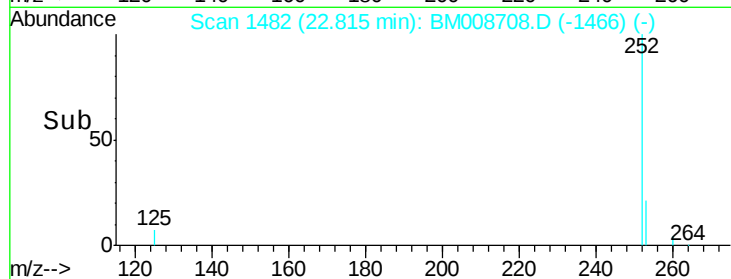
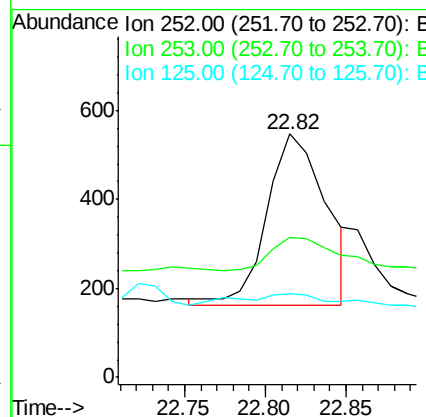
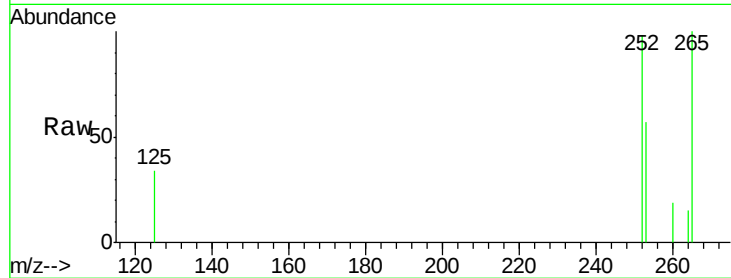
ClientSampleId :

DA7H4

Tgt Ion:	252	Resp:	986
Ion Ratio	Lower	Upper	
252	100		
253	57.6	0.0	64.2
125	34.2	0.0	35.0

Manual Integrations
APPROVED

mohammad
12/30/2016 8:54:02 AM



#22

Benzo(k)fluoranthene

Concen: 0.05 ng/ul m

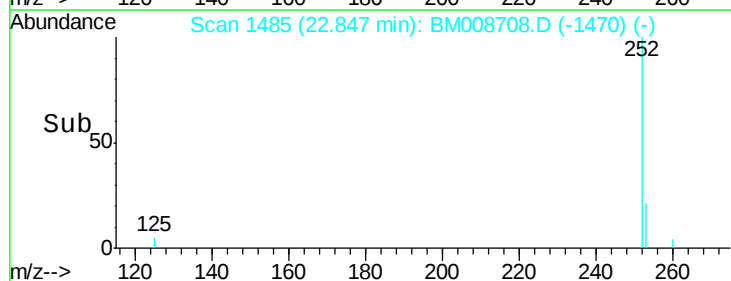
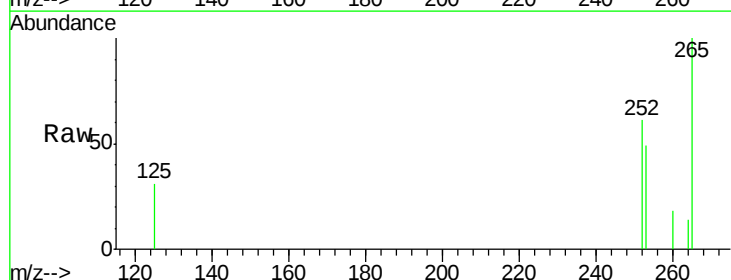
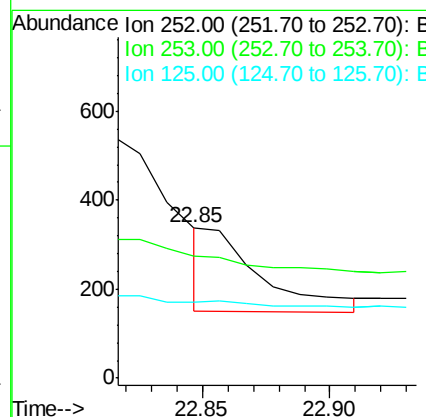
RT: 22.85 min Scan# 1485

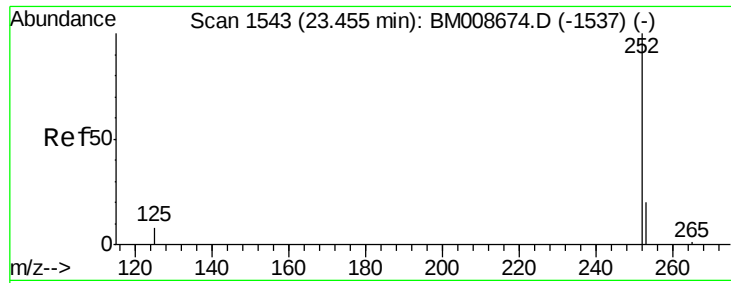
Delta R.T. -0.04 min

Lab File: BM008708.D

Acq: 29 Dec 2016 00:33

Tgt Ion:	252	Resp:	283
Ion Ratio	Lower	Upper	
252	100		
253	80.8	24.5	36.7#
125	50.4	13.7	20.5#





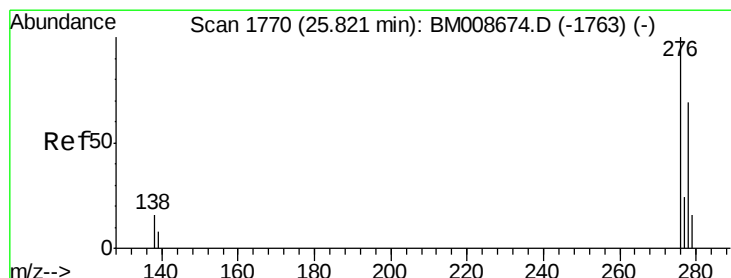
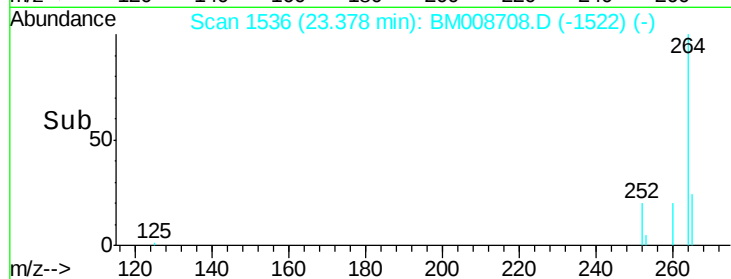
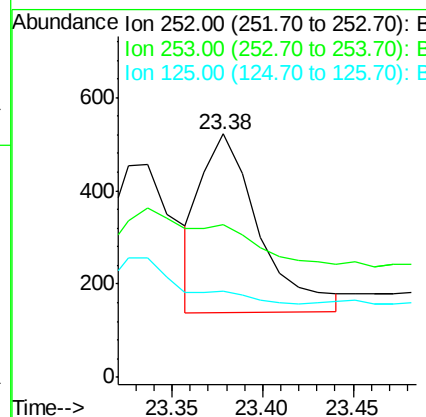
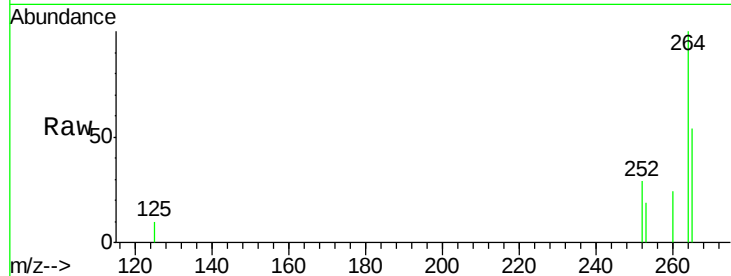
#23
Benzo(a)pyrene
Concen: 0.16 ng/ul m
RT: 23.38 min Scan# 1536
Delta R.T. -0.05 min
Lab File: BM008708.D
Acq: 29 Dec 2016 00:33

Instrument :
BNA_M
ClientSampleId :
DA7H4

Tgt Ion	Ratio	Lower	Upper
252	100		
253	62.8	28.5	42.7#
125	35.2	18.1	27.1#

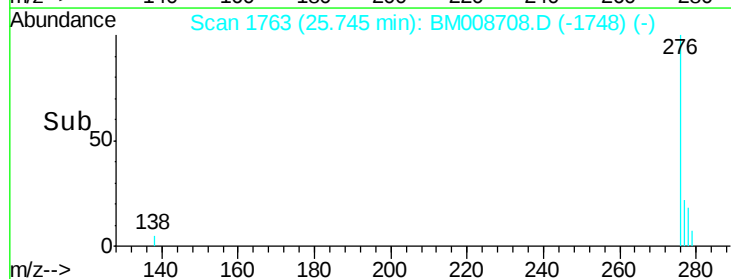
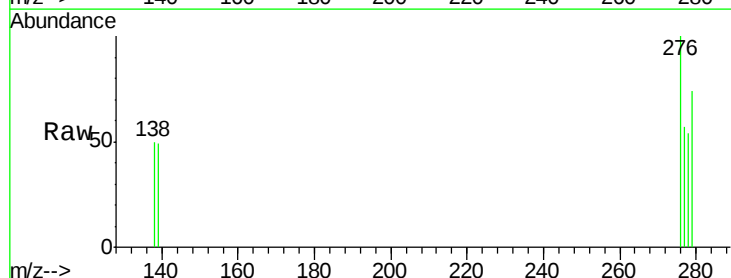
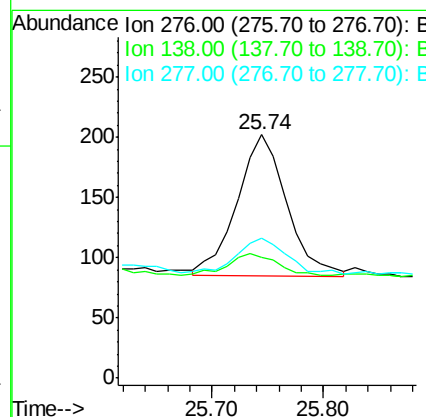
Manual Integrations
APPROVED

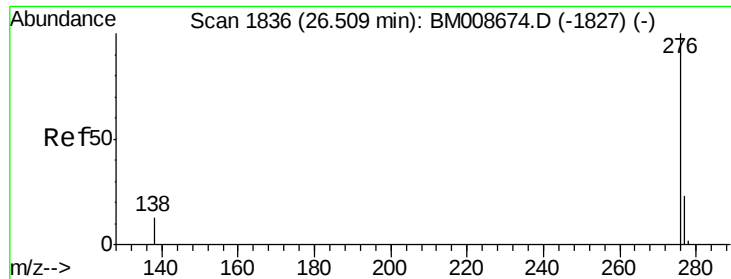
mohammad
12/30/2016 8:54:02 AM



#24
Indeno(1,2,3-cd)pyrene
Concen: 0.06 ng/ul m
RT: 25.74 min Scan# 1763
Delta R.T. -0.04 min
Lab File: BM008708.D
Acq: 29 Dec 2016 00:33

Tgt Ion	Ratio	Lower	Upper
276	100		
138	0.0	19.1	28.7#
277	0.0	19.6	29.4#





#26

Benzo(g,h,i)perylene

Concen: 0.08 ng/ul m

RT: 26.44 min Scan# 1830

Delta R.T. -0.04 min

Lab File: BM008708.D

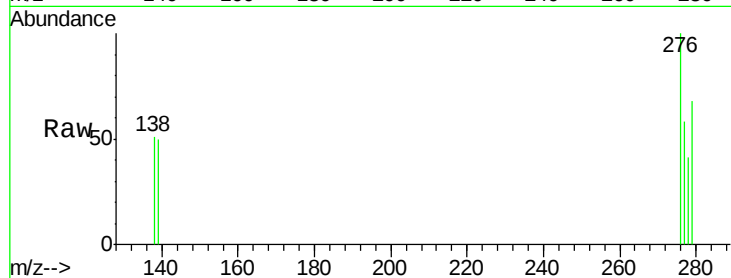
Acq: 29 Dec 2016 00:33

Instrument :

BNA_M

ClientSampleId :

DA7H4



Tgt Ion: 276 Resp: 413

Ion Ratio Lower Upper

276 100

277 57.7 21.8 32.8#

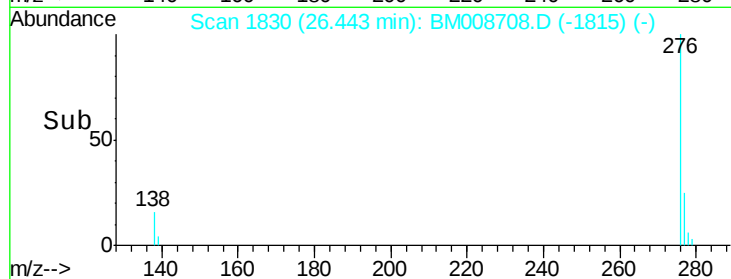
138 50.7 20.5 30.7#

Manual Integrations

APPROVED

mohammad

12/30/2016 8:54:02 AM



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

