

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081715\
 Data File : BM002463.D
 Acq On : 17 Aug 2015 22:23
 Operator : UM/IZ
 Sample : G3227-13
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9DD2

Manual Integrations
 APPROVED

MMDadoda
 8/18/2015 5:18:49 PM

Quant Time: Aug 18 03:48:03 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081415MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Aug 18 03:02:54 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.88	152	151738	20.00	ng/ul	0.00
2) Naphthalene-d8	11.75	136	686182	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.46	164	351676	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.17	188	666849	20.00	ng/ul	0.00
17) Chrysene-d12	22.25	240	449199	20.00	ng/ul	0.00
22) Perylene-d12	24.93	264	430552	20.00	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
7) Acenaphthylene-d8	15.17	160	1122039	31.21	ng/ul	0.00
10) Fluorene-d10	16.43	176	720528	28.53	ng/ul	0.00
14) Anthracene-d10	18.27	188	961176	29.88	ng/ul	0.00
18) Pyrene-d10	20.49	212	741170	37.22	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.76	264	524614	23.20	ng/ul	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Phenanthrene	18.21	178	78615	2.04	ng/ul	99
16) Fluoranthene	20.16	202	166275	3.81	ng/ul	99
19) Pyrene	20.51	202	144643	5.50	ng/ul	99
20) Benzo(a)anthracene	22.23	228	88684	3.30	ng/ul#	94
21) Chrysene	22.29	228	94383	3.76	ng/ul#	91
23) Benzo(b)fluoranthene	24.10	252	128902	4.95	ng/ul#	88
24) Benzo(k)fluoranthene	24.14	252	42322m	1.72	ng/ul	
26) Benzo(a)pyrene	24.81	252	89610	3.60	ng/ul#	91
27) Indeno(1,2,3-cd)pyrene	27.77	276	65738	2.30	ng/ul	97
29) Benzo(g,h,i)perylene	28.65	276	67643	2.84	ng/ul#	90

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

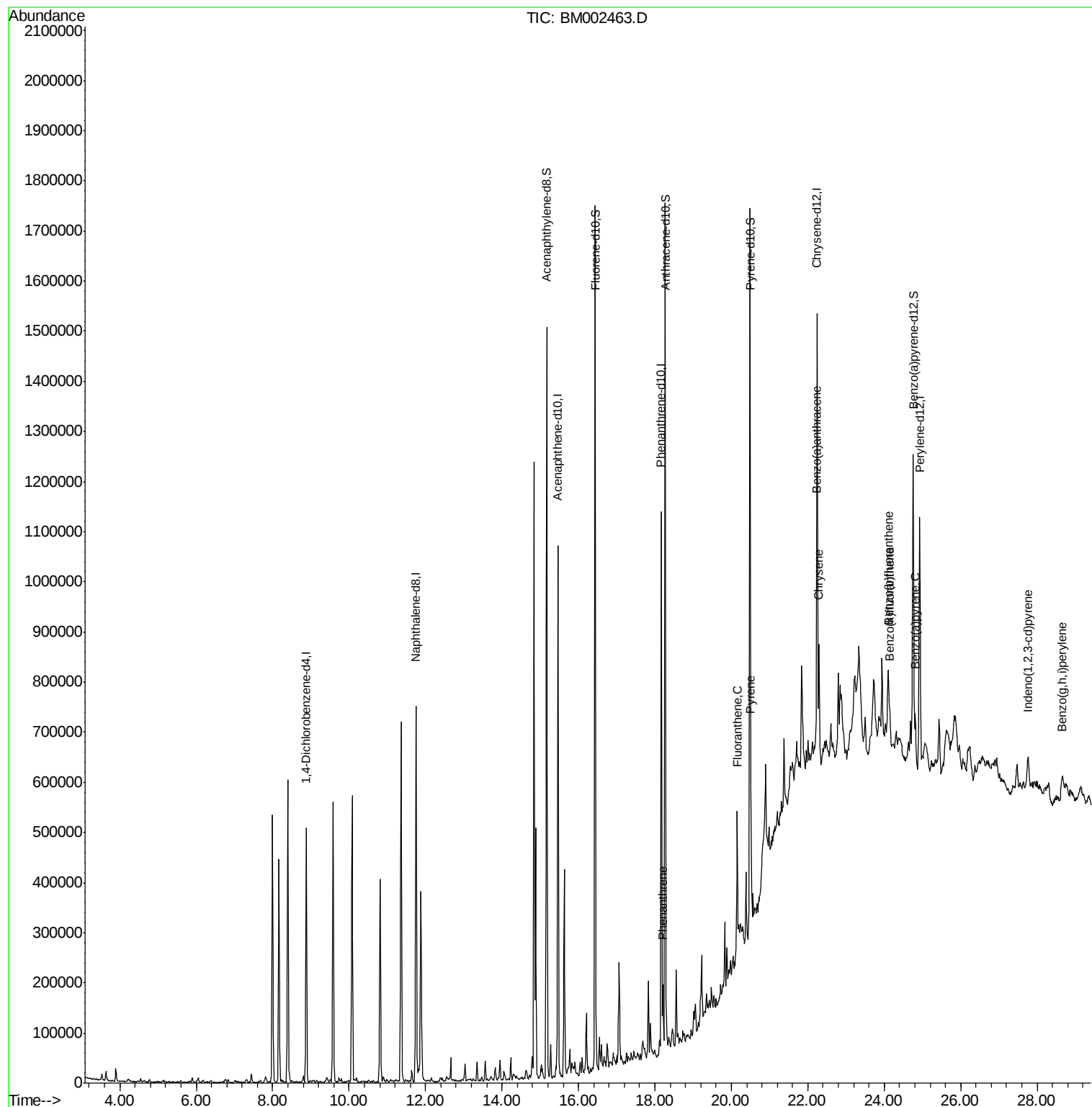
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081715\
Data File : BM002463.D
Acq On : 17 Aug 2015 22:23
Operator : UM/IZ
Sample : G3227-13
Misc :
ALS Vial : 20 Sample Multiplier: 1

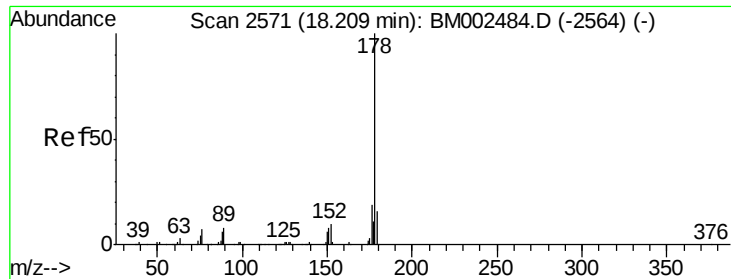
Instrument :
BNA_M
ClientSampleId :
D9DD2

Manual Integrations
APPROVED

MMDadoda
8/18/2015 5:18:49 PM

Quant Time: Aug 18 03:48:03 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081415MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Aug 18 03:02:54 2015
Response via : Initial Calibration





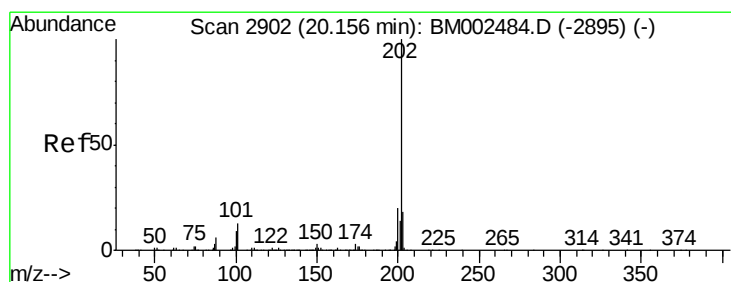
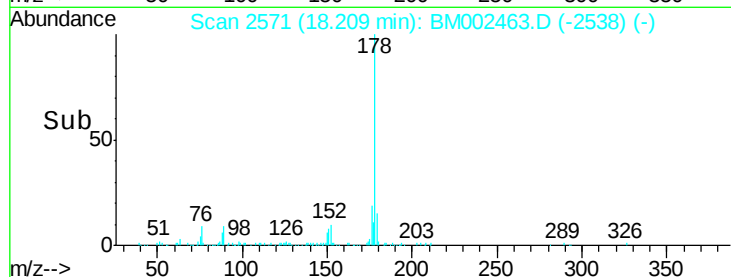
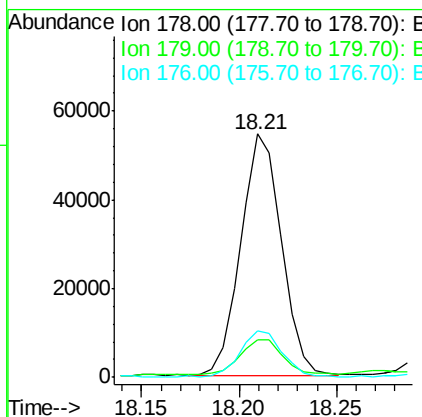
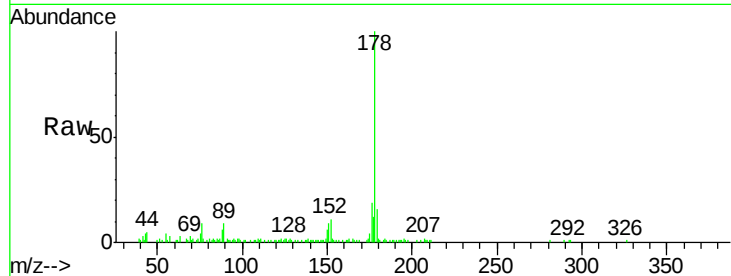
#13
Phenanthrene
Concen: 2.04 ng/ul
RT: 18.21 min Scan# 2571
Delta R.T. -0.01 min
Lab File: BM002463.D
Acq: 17 Aug 2015 22:23

Instrument :
BNA_M
ClientSampleId :
D9DD2

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.7	12.4	18.6
176	19.3	15.1	22.7

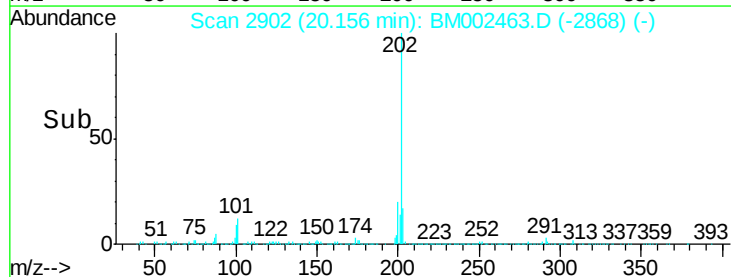
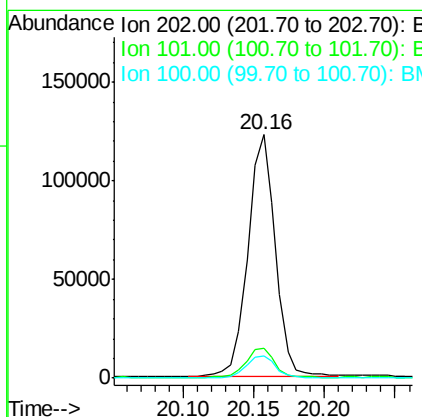
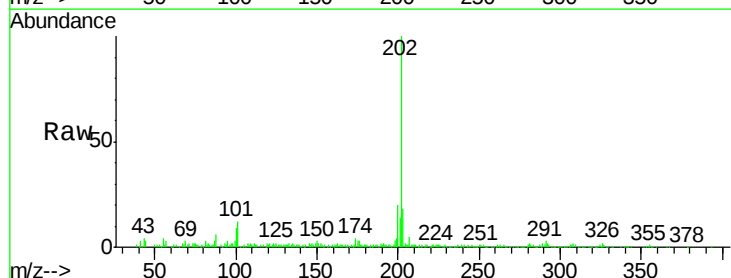
Manual Integrations
APPROVED

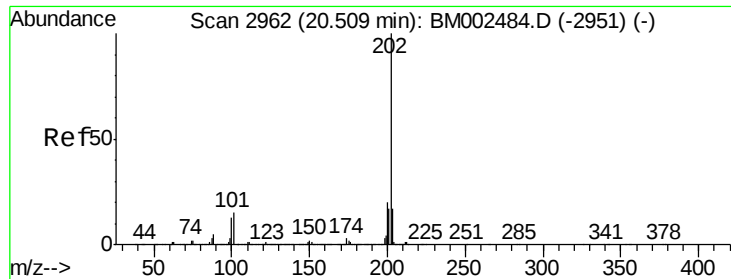
MMDadoda
8/18/2015 5:18:49 PM



#16
Fluoranthene
Concen: 3.81 ng/ul
RT: 20.16 min Scan# 2902
Delta R.T. 0.00 min
Lab File: BM002463.D
Acq: 17 Aug 2015 22:23

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.5	9.7	14.5
100	9.0	7.4	11.2





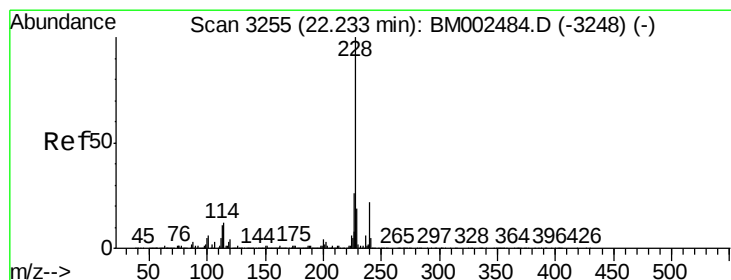
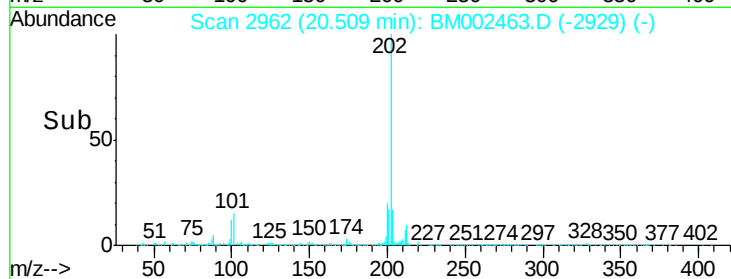
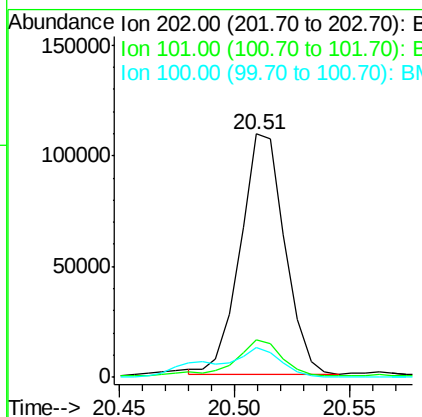
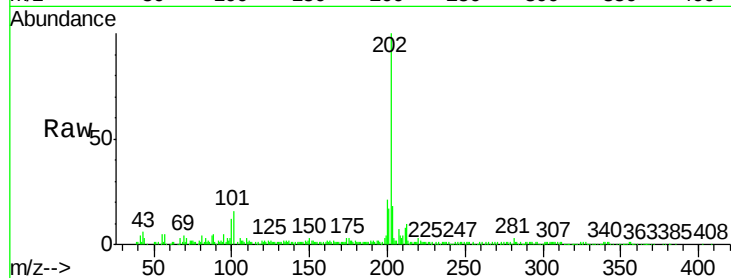
#19
 Pyrene
 Concen: 5.50 ng/ul
 RT: 20.51 min Scan# 2962
 Delta R.T. -0.01 min
 Lab File: BM002463.D
 Acq: 17 Aug 2015 22:23

Instrument :
 BNA_M
 ClientSampleId :
 D9DD2

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	144643		
101	15.5	12.0	18.0	
100	12.1	9.7	14.5	

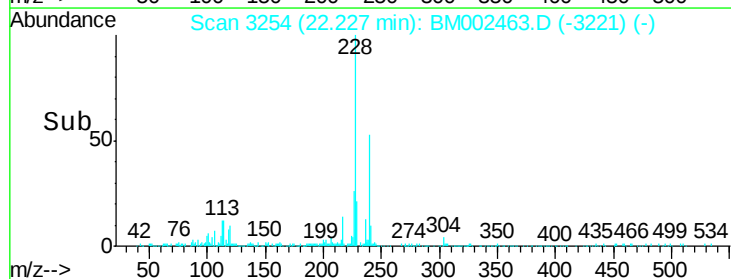
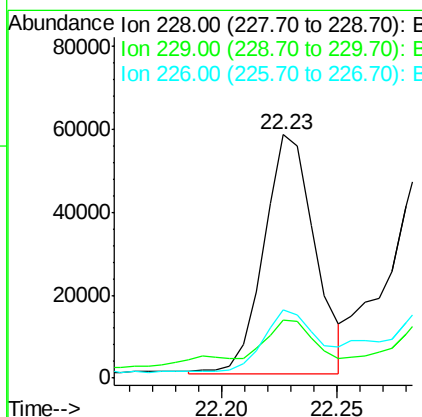
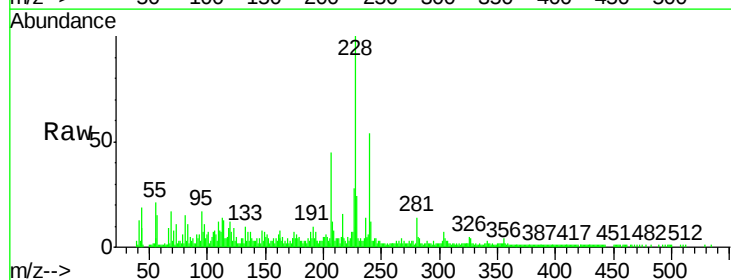
Manual Integrations
 APPROVED

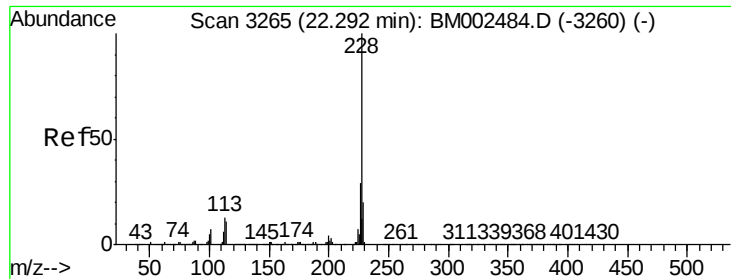
MMDadoda
 8/18/2015 5:18:49 PM



#20
 Benzo(a)anthracene
 Concen: 3.30 ng/ul
 RT: 22.23 min Scan# 3254
 Delta R.T. -0.01 min
 Lab File: BM002463.D
 Acq: 17 Aug 2015 22:23

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	88684		
229	24.0	15.8	23.6#	
226	28.1	21.1	31.7	





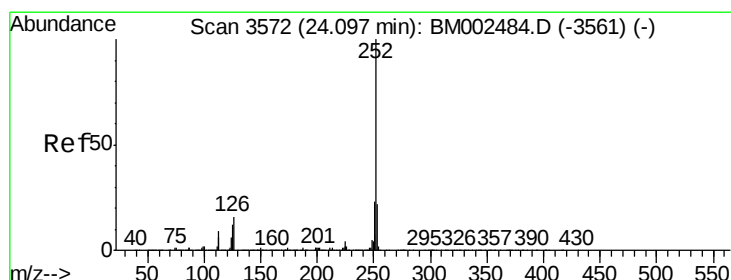
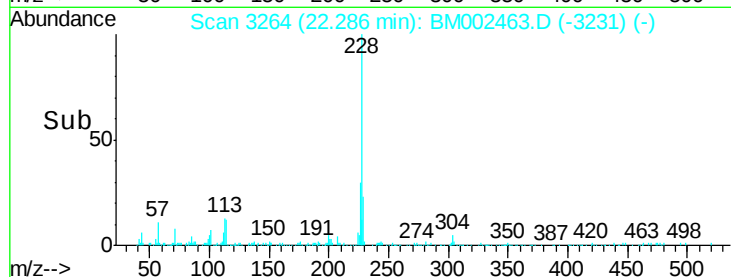
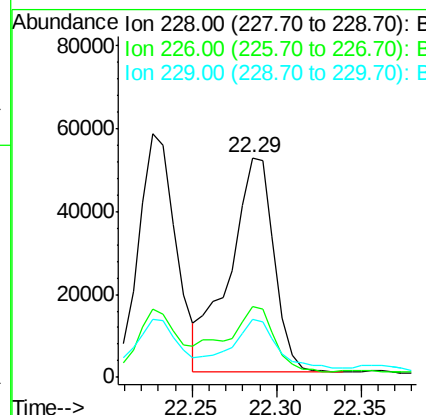
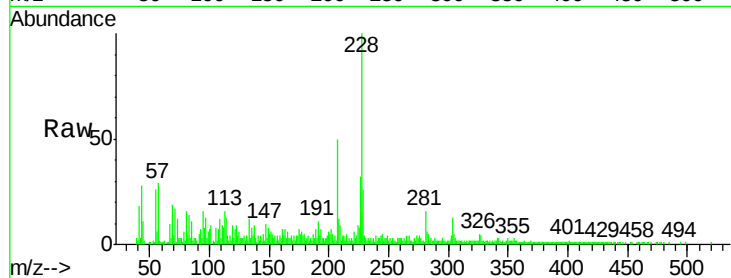
#21
Chrysene
Concen: 3.76 ng/ul
RT: 22.29 min Scan# 3264
Delta R.T. -0.01 min
Lab File: BM002463.D
Acq: 17 Aug 2015 22:23

Instrument :
BNA_M
ClientSampleId :
D9DD2

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.1	23.4	35.2
229	26.3	15.7	23.5#

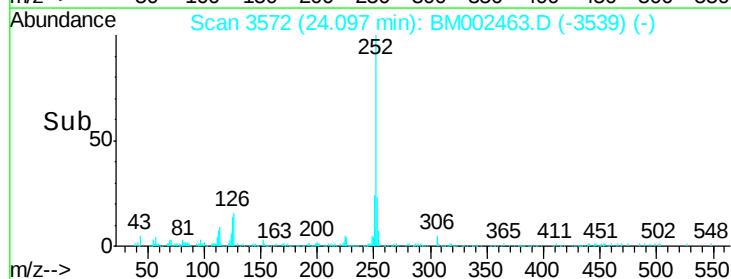
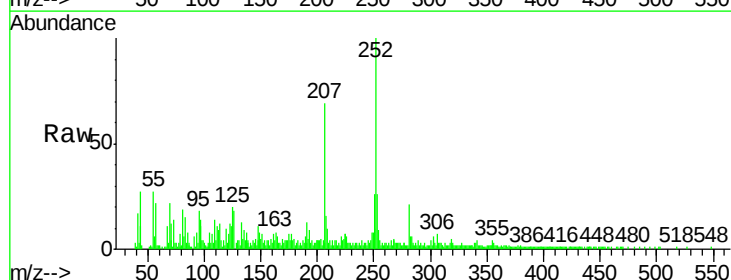
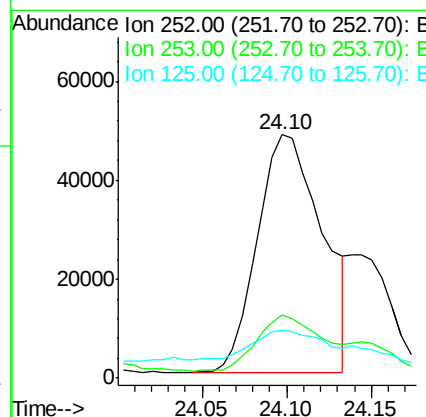
Manual Integrations
APPROVED

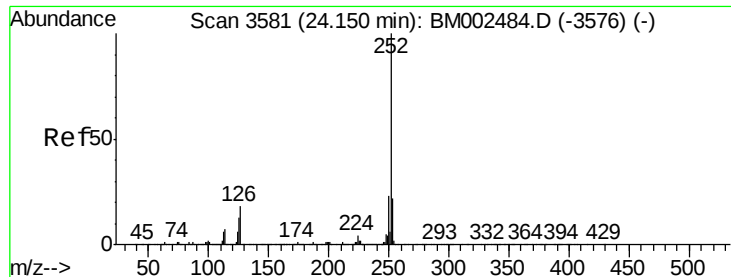
MMDadoda
8/18/2015 5:18:49 PM



#23
Benzo(b)fluoranthene
Concen: 4.95 ng/ul
RT: 24.10 min Scan# 3572
Delta R.T. -0.01 min
Lab File: BM002463.D
Acq: 17 Aug 2015 22:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.0	17.4	26.0
125	19.5	10.0	15.0#





#24

Benzo(k)fluoranthene

Concen: 1.72 ng/ul m

RT: 24.14 min Scan# 3579

Delta R.T. -0.02 min

Lab File: BM002463.D

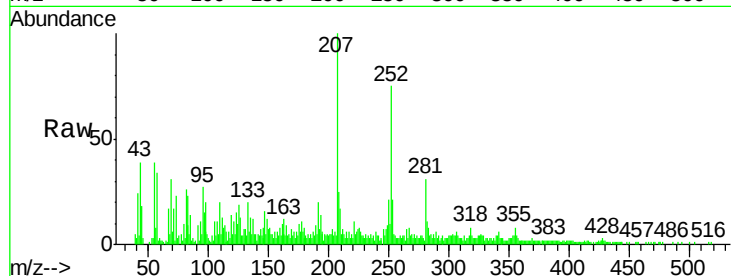
Acq: 17 Aug 2015 22:23

Instrument :

BNA_M

ClientSampleId :

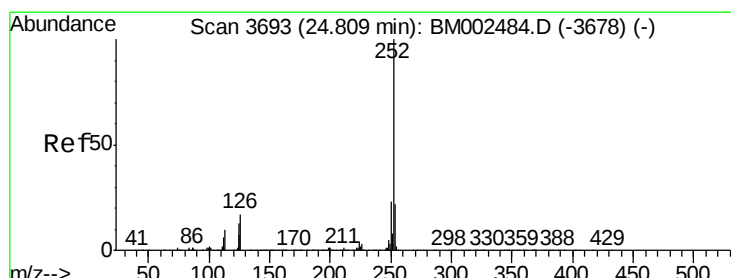
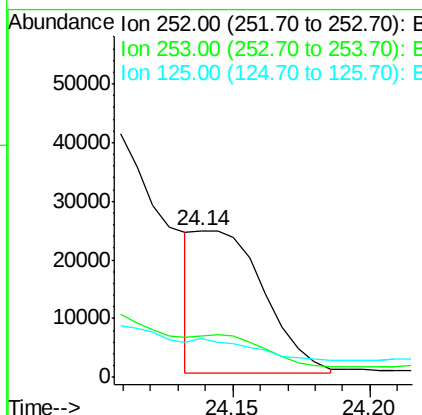
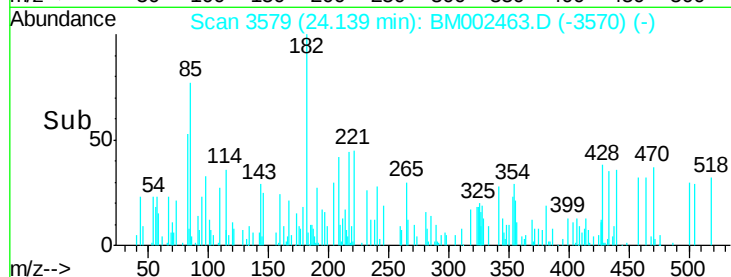
D9DD2



Tgt Ion:	252	Resp:	42322
Ion Ratio	Lower	Upper	
252	100		
253	27.9	17.8	26.6#
125	26.0	9.8	14.8#

Manual Integrations
APPROVED

MMDadoda
8/18/2015 5:18:49 PM



#26

Benzo(a)pyrene

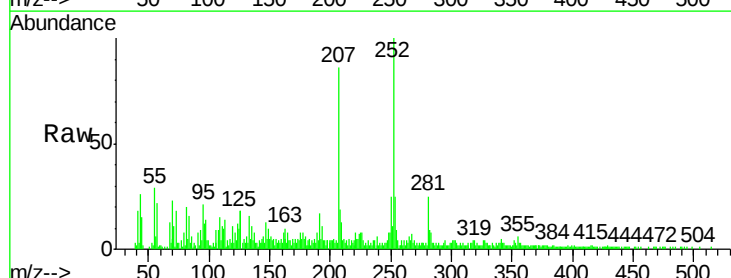
Concen: 3.60 ng/ul

RT: 24.81 min Scan# 3693

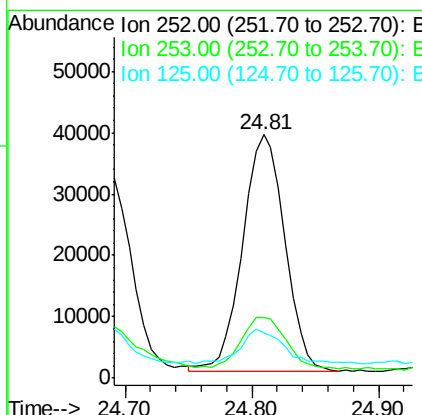
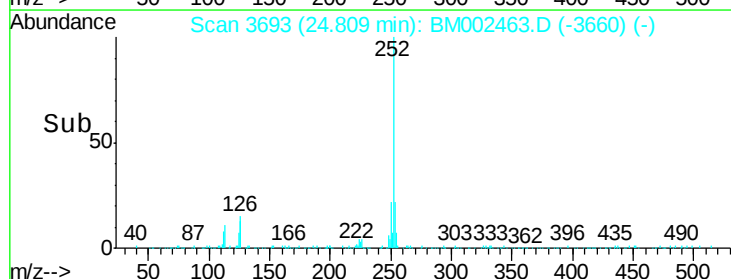
Delta R.T. -0.01 min

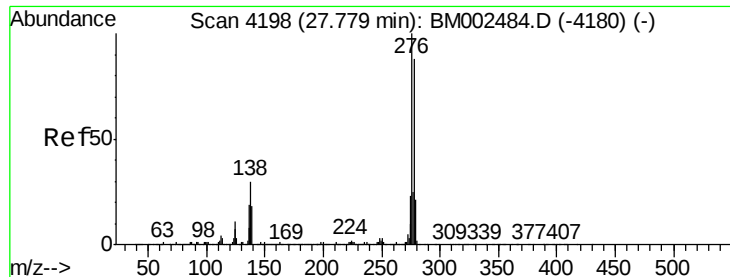
Lab File: BM002463.D

Acq: 17 Aug 2015 22:23



Tgt Ion:	252	Resp:	89610
Ion Ratio	Lower	Upper	
252	100		
253	24.9	17.6	26.4
125	18.5	10.7	16.1#





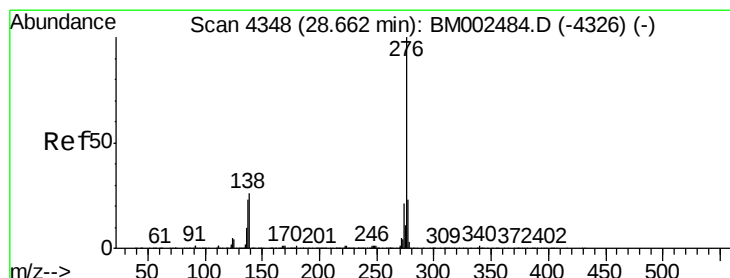
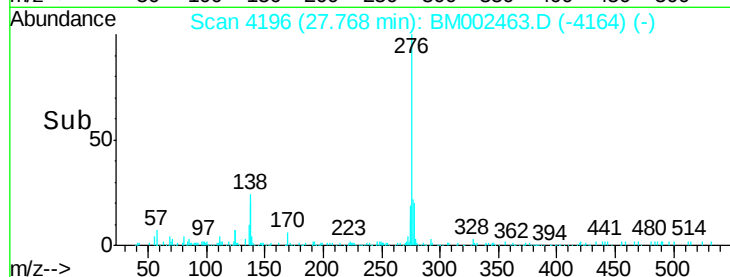
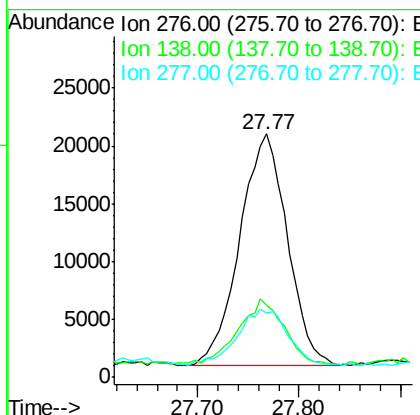
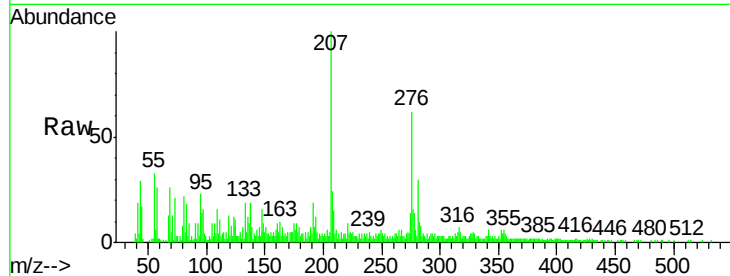
#27
 Indeno(1,2,3-cd)pyrene
 Concen: 2.30 ng/ul
 RT: 27.77 min Scan# 4196
 Delta R.T. -0.01 min
 Lab File: BM002463.D
 Acq: 17 Aug 2015 22:23

Instrument :
 BNA_M
 ClientSampleId :
 D9DD2

Tgt Ion	Ratio	Lower	Upper
276	100		
138	29.6	25.3	37.9
277	26.6	20.2	30.2

Manual Integrations
 APPROVED

MMDadoda
 8/18/2015 5:18:49 PM



#29
 Benzo(g,h,i)perylene
 Concen: 2.84 ng/ul
 RT: 28.65 min Scan# 4346
 Delta R.T. -0.02 min
 Lab File: BM002463.D
 Acq: 17 Aug 2015 22:23

Tgt Ion	Ratio	Lower	Upper
276	100		
138	31.3	21.0	31.6
277	29.2	19.2	28.8#

