

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM082915\
 Data File : BM002583.D
 Acq On : 30 Aug 2015 02:23
 Operator : UM/IZ
 Sample : G3455-21
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9E84

Manual Integrations
 APPROVED

MMDadoda
 8/31/2015 1:52:28 PM

Quant Time: Aug 31 01:56:47 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081415MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 31 01:34:36 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.78	152	177361	20.00	ng/ul	0.00
2) Naphthalene-d8	11.65	136	781356	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.37	164	372892	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.08	188	632679	20.00	ng/ul	0.00
17) Chrysene-d12	22.16	240	494113	20.00	ng/ul	0.00
22) Perylene-d12	24.79	264	510582	20.00	ng/ul	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
7) Acenaphthylene-d8	15.07	160	498603	13.08	ng/ul	0.00
10) Fluorene-d10	16.34	176	297792	11.12	ng/ul	0.00
14) Anthracene-d10	18.18	188	350777	11.49	ng/ul	0.00
18) Pyrene-d10	20.40	212	231363	10.56	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.62	264	184548	6.88	ng/ul	0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Phenanthrene	18.12	178	124499	3.41	ng/ul	99
16) Fluoranthene	20.07	202	276198	6.68	ng/ul	98
19) Pyrene	20.43	202	221325	7.65	ng/ul	99
20) Benzo(a)anthracene	22.14	228	109614	3.71	ng/ul	96
21) Chrysene	22.20	228	129596	4.69	ng/ul	97
23) Benzo(b)fluoranthene	23.98	252	207232	6.71	ng/ul#	93
24) Benzo(k)fluoranthene	24.03	252	66468m	2.27	ng/ul	
26) Benzo(a)pyrene	24.67	252	128608	4.36	ng/ul#	90
27) Indeno(1,2,3-cd)pyrene	27.56	276	137051	4.04	ng/ul	95
28) Dibenzo(a,h)anthracene	27.55	278	34191	1.21	ng/ul#	72
29) Benzo(g,h,i)perylene	28.43	276	125508	4.45	ng/ul#	92

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

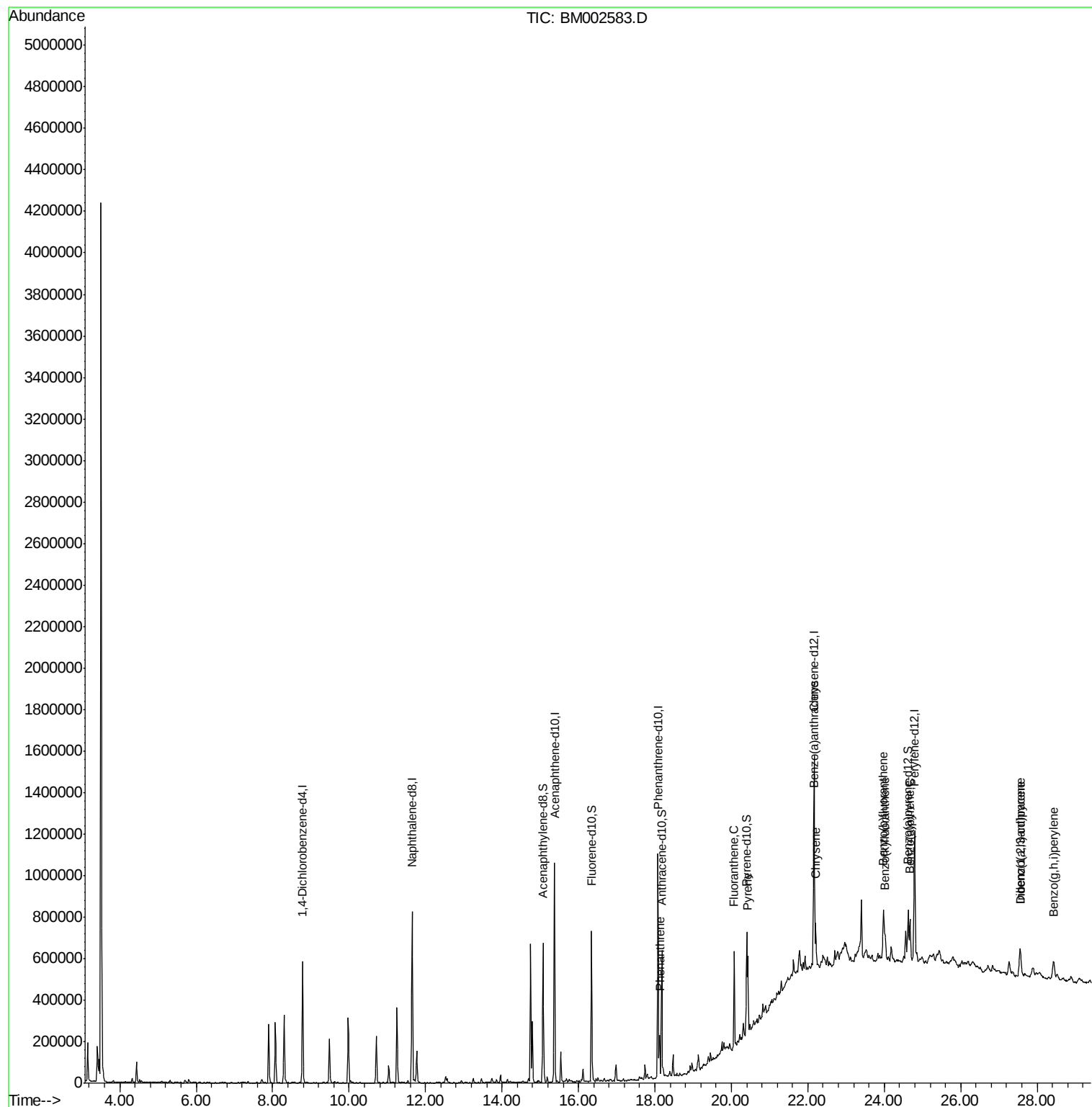
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM082915\
Data File : BM002583.D
Acq On : 30 Aug 2015 02:23
Operator : UM/IZ
Sample : G3455-21
Misc :
ALS Vial : 24 Sample Multiplier: 1

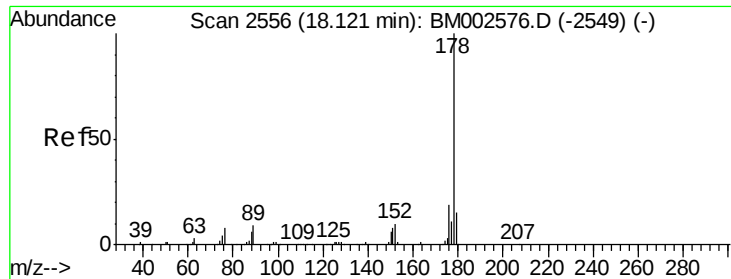
Instrument :
BNA_M
ClientSampleId :
D9E84

Manual Integrations
APPROVED

MMDadoda
8/31/2015 1:52:28 PM

Quant Time: Aug 31 01:56:47 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081415MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 31 01:34:36 2015
Response via : Initial Calibration





#13

Phenanthrene

Concen: 3.41 ng/ul

RT: 18.12 min Scan# 2556

Delta R.T. -0.00 min

Lab File: BM002583.D

Acq: 30 Aug 2015 02:23

Instrument :

BNA_M

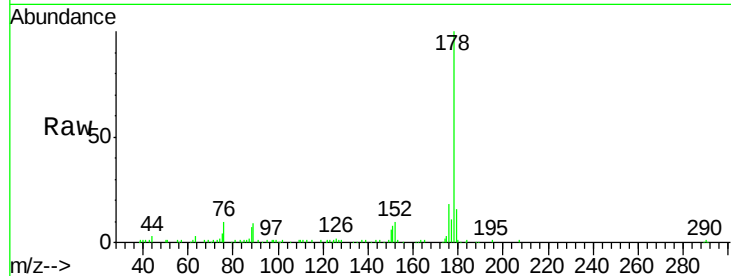
ClientSampleId :

D9E84

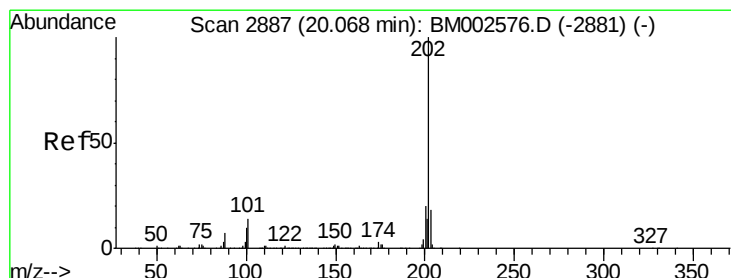
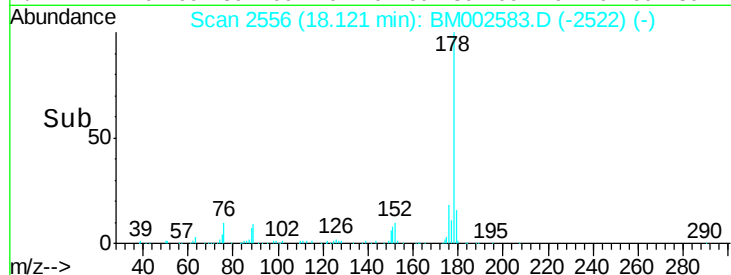
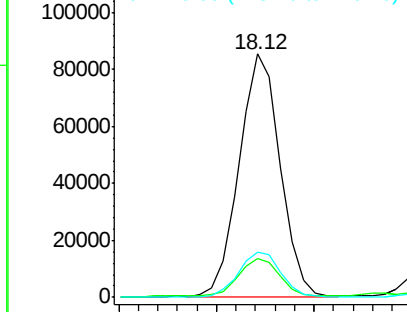
Tgt Ion:	178	Resp:	124499
Ion Ratio	Lower	Upper	
178	100		
179	16.2	12.4	18.6
176	18.3	15.1	22.7

Manual Integrations
APPROVED

MMDadoda
8/31/2015 1:52:28 PM



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E



#16

Fluoranthene

Concen: 6.68 ng/ul

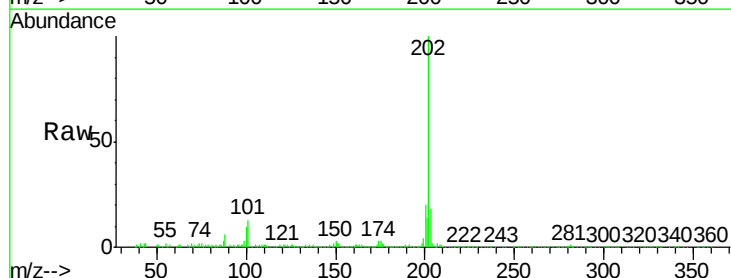
RT: 20.07 min Scan# 2888

Delta R.T. 0.01 min

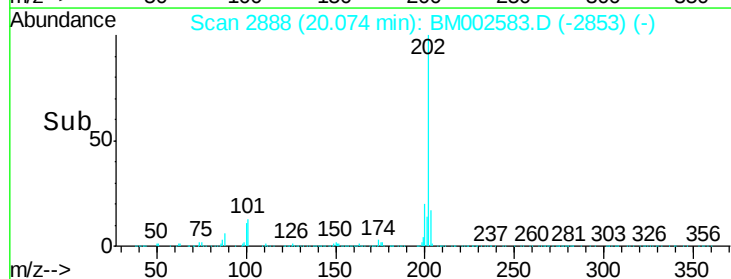
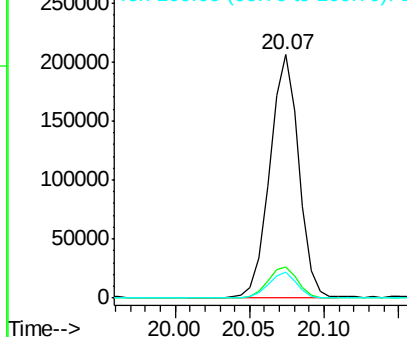
Lab File: BM002583.D

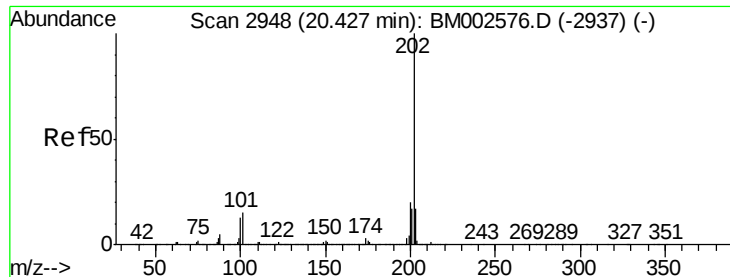
Acq: 30 Aug 2015 02:23

Tgt Ion:	202	Resp:	276198
Ion Ratio	Lower	Upper	
202	100		
101	12.7	9.7	14.5
100	10.5	7.4	11.2



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





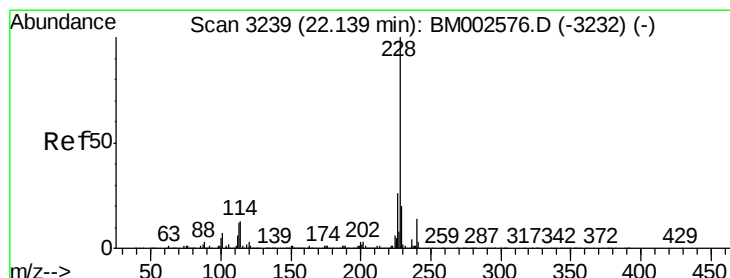
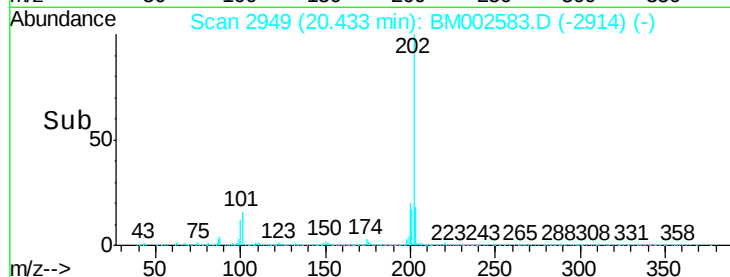
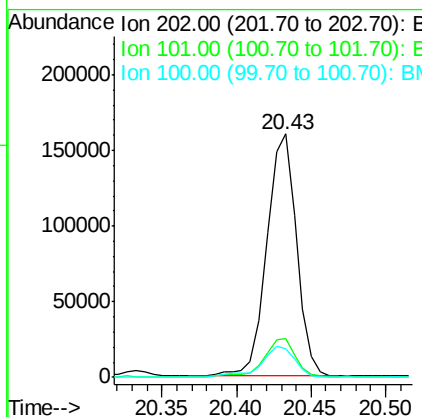
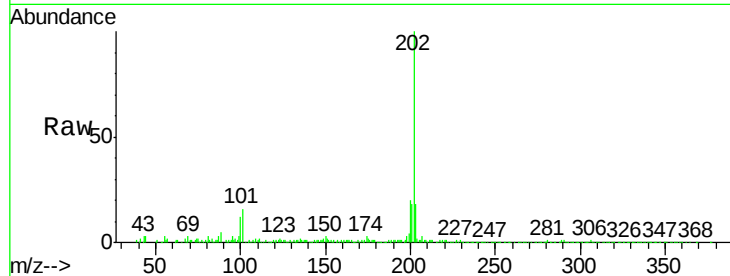
#19
 Pyrene
 Concen: 7.65 ng/ul
 RT: 20.43 min Scan# 2949
 Delta R.T. 0.01 min
 Lab File: BM002583.D
 Acq: 30 Aug 2015 02:23

Instrument :
 BNA_M
 ClientSampleId :
 D9E84

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	221325		
101	15.7	12.0	18.0	
100	12.0	9.7	14.5	

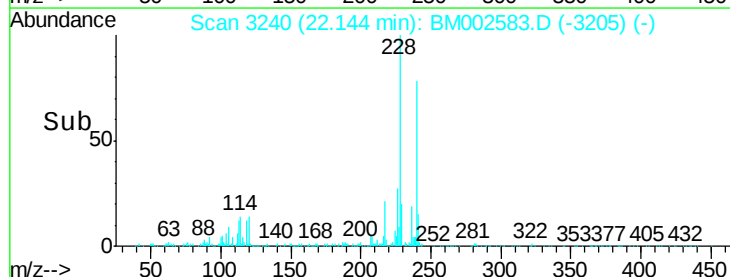
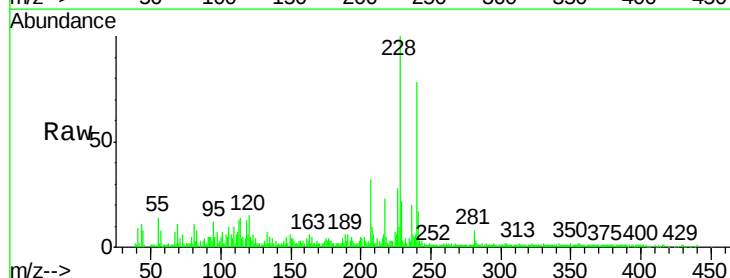
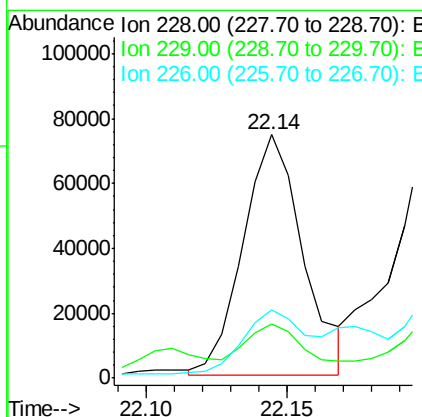
Manual Integrations
 APPROVED

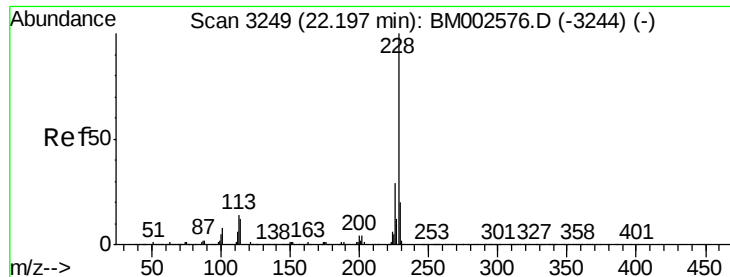
MMDadoda
 8/31/2015 1:52:28 PM



#20
 Benzo(a)anthracene
 Concen: 3.71 ng/ul
 RT: 22.14 min Scan# 3240
 Delta R.T. 0.01 min
 Lab File: BM002583.D
 Acq: 30 Aug 2015 02:23

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	109614		
229	22.1	15.8	23.6	
226	28.1	21.1	31.7	





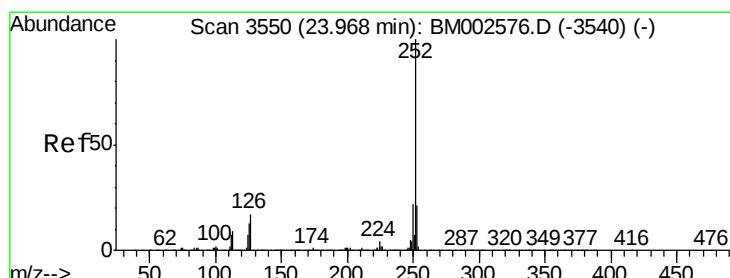
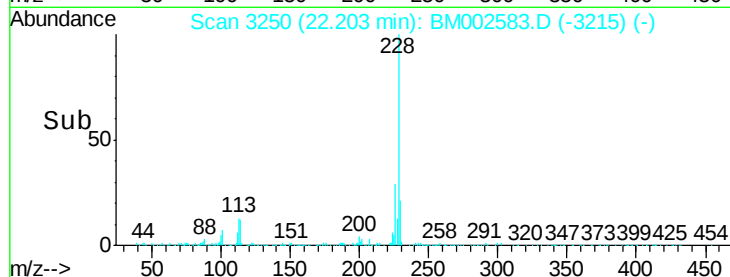
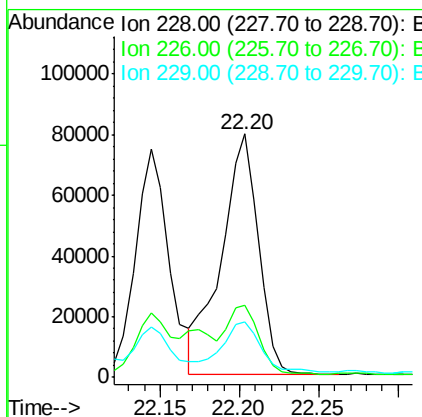
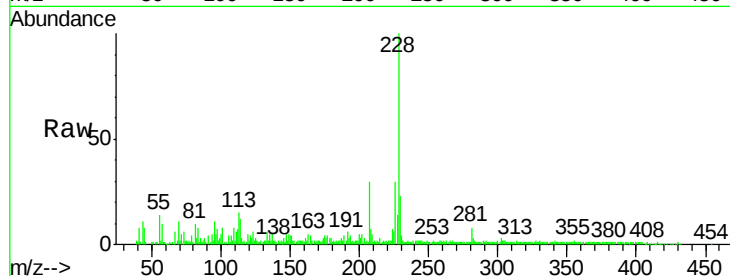
#21
Chrysene
Concen: 4.69 ng/ul
RT: 22.20 min Scan# 3250
Delta R.T. 0.01 min
Lab File: BM002583.D
Acq: 30 Aug 2015 02:23

Instrument :
BNA_M
ClientSampleId :
D9E84

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	129596		
226	29.6	23.4	35.2	
229	22.6	15.7	23.5	

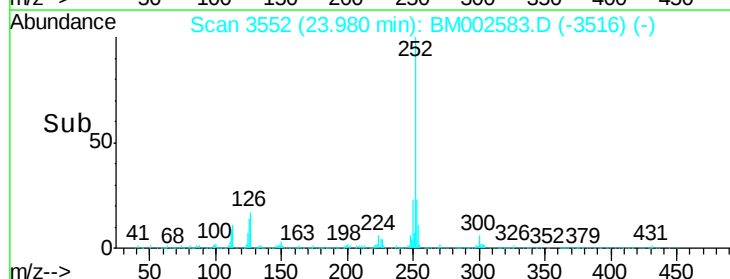
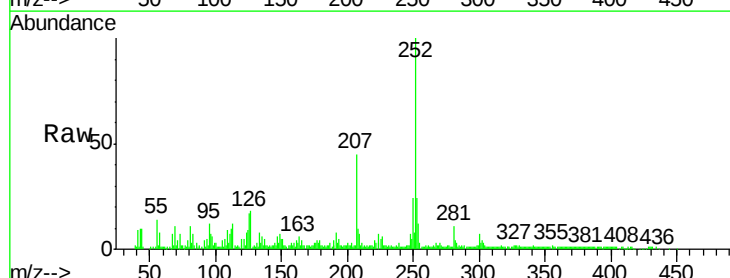
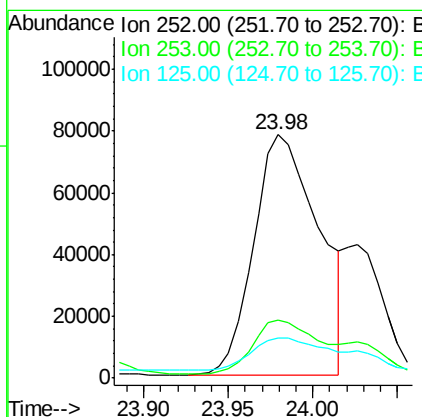
Manual Integrations
APPROVED

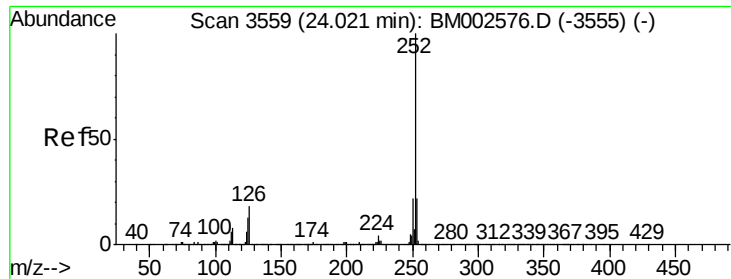
MMDadoda
8/31/2015 1:52:28 PM



#23
Benzo(b)fluoranthene
Concen: 6.71 ng/ul
RT: 23.98 min Scan# 3552
Delta R.T. 0.01 min
Lab File: BM002583.D
Acq: 30 Aug 2015 02:23

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	207232		
253	24.0	17.4	26.0	
125	16.6	10.0	15.0	





#24

Benzo(k)fluoranthene

Concen: 2.27 ng/ul m

RT: 24.03 min Scan# 3560

Delta R.T. 0.01 min

Lab File: BM002583.D

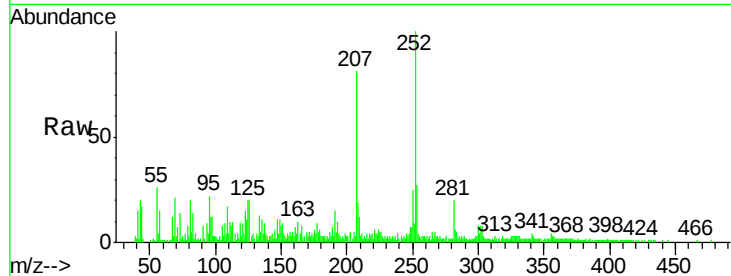
Acq: 30 Aug 2015 02:23

Instrument :

BNA_M

ClientSampleId :

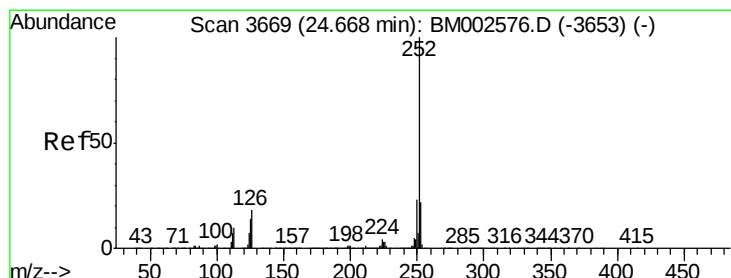
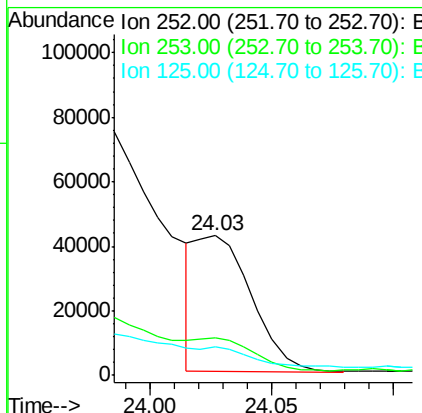
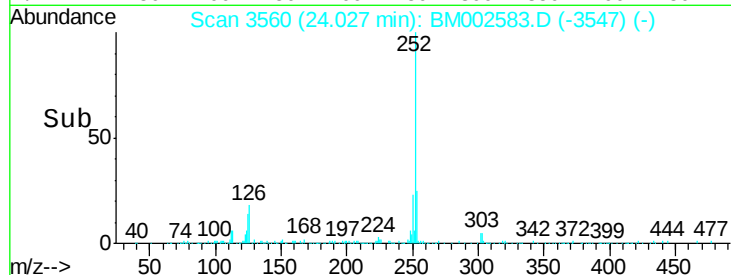
D9E84



Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.3	17.8	26.6#
125	20.4	9.8	14.8#

Manual Integrations
APPROVED

MMDadoda
8/31/2015 1:52:28 PM



#26

Benzo(a)pyrene

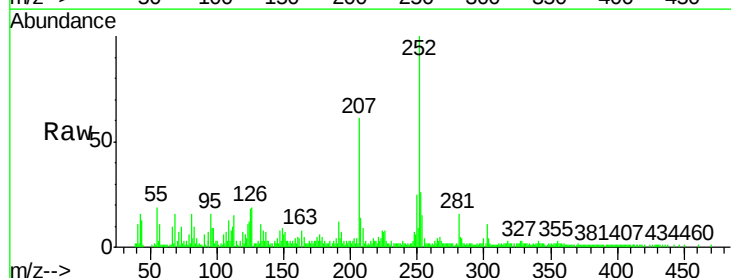
Concen: 4.36 ng/ul

RT: 24.67 min Scan# 3670

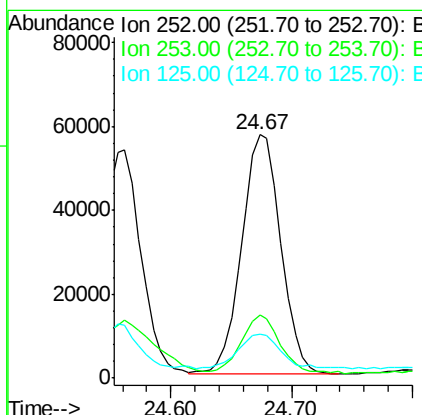
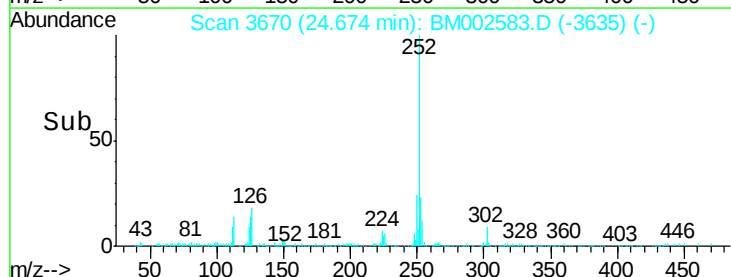
Delta R.T. 0.01 min

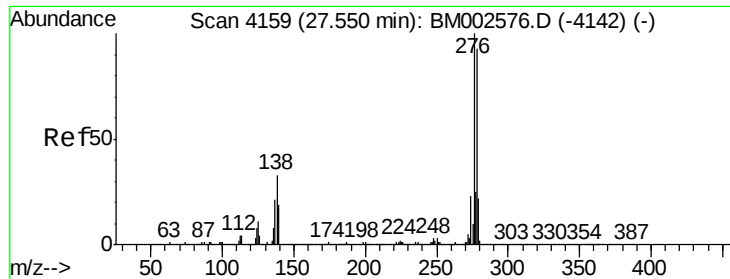
Lab File: BM002583.D

Acq: 30 Aug 2015 02:23



Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.8	17.6	26.4
125	18.3	10.7	16.1#





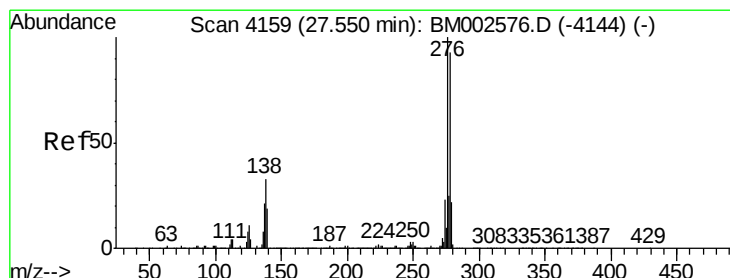
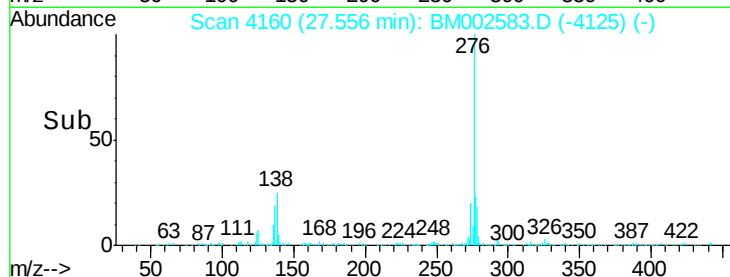
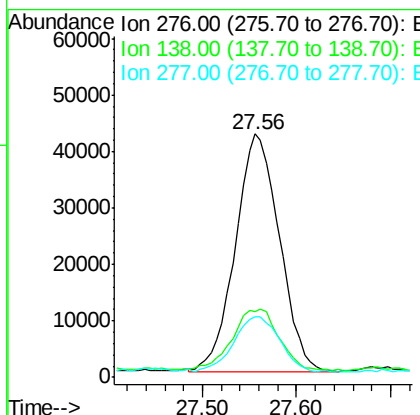
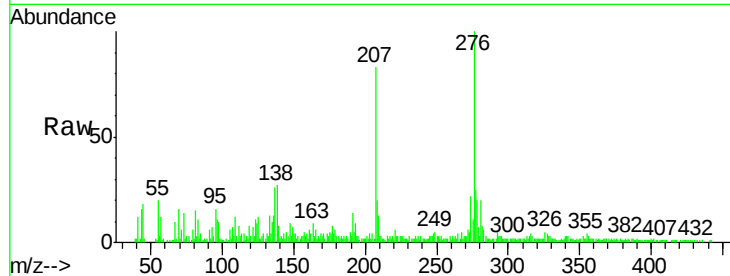
#27
 Indeno(1,2,3-cd)pyrene
 Concen: 4.04 ng/ul
 RT: 27.56 min Scan# 4160
 Delta R.T. 0.01 min
 Lab File: BM002583.D
 Acq: 30 Aug 2015 02:23

Instrument :
 BNA_M
 ClientSampleId :
 D9E84

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	137051		
138	27.1	25.3	37.9	
277	24.9	20.2	30.2	

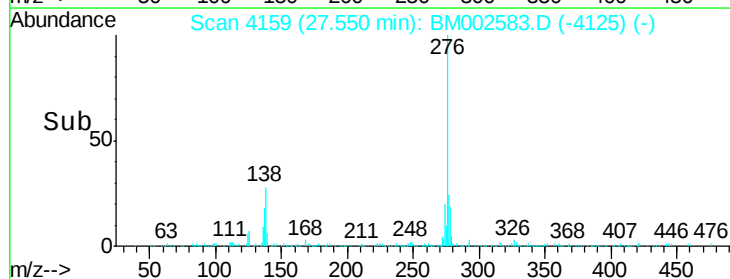
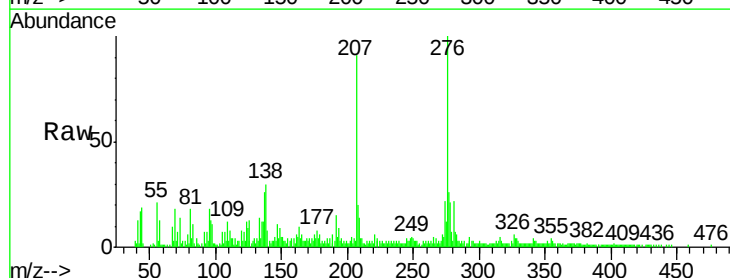
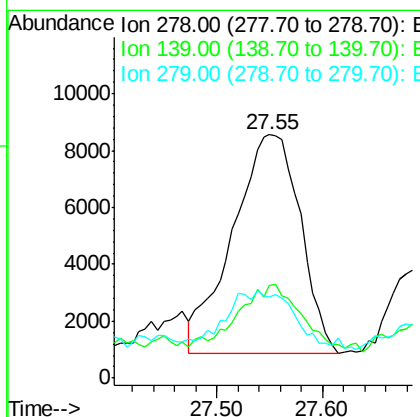
Manual Integrations
 APPROVED

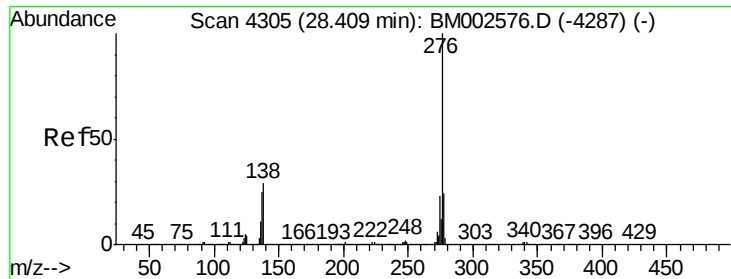
MMDadoda
 8/31/2015 1:52:28 PM



#28
 Dibenzo(a,h)anthracene
 Concen: 1.21 ng/ul
 RT: 27.55 min Scan# 4159
 Delta R.T. -0.00 min
 Lab File: BM002583.D
 Acq: 30 Aug 2015 02:23

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	34191		
139	38.2	16.5	24.7#	
279	33.3	18.8	28.2#	





#29

Benzo(g,h,i)perylene

Concen: 4.45 ng/ul

RT: 28.43 min Scan# 4308

Delta R.T. 0.02 min

Lab File: BM002583.D

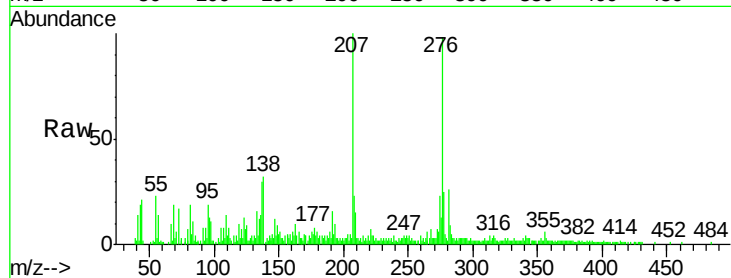
Acq: 30 Aug 2015 02:23

Instrument :

BNA_M

ClientSampleId :

D9E84



Tgt Ion:	276	Resp:	125508
Ion Ratio	Lower	Upper	
276	100		
138	32.7	21.0	31.6#
277	25.4	19.2	28.8

Manual Integrations
APPROVED

MMDadoda
8/31/2015 1:52:28 PM

