

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM082915\
 Data File : BM002580.D
 Acq On : 30 Aug 2015 00:34
 Operator : UM/IZ
 Sample : G3455-18MS
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9E82MS

Manual Integrations
 APPROVED

MMDadoda
 8/31/2015 1:52:06 PM

Quant Time: Aug 31 01:44:16 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	167992	20.00	ng/ul	0.00
2) Naphthalene-d8	11.65	136	658549	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.37	164	282538	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.08	188	513430	20.00	ng/ul	0.00
17) Chrysene-d12	22.16	240	529732	20.00	ng/ul	0.00
22) Perylene-d12	24.80	264	560022	20.00	ng/ul	0.02
System Monitoring Compounds						
7) Acenaphthylene-d8	15.07	160	453439	15.70	ng/ul	0.00
10) Fluorene-d10	16.34	176	285314	14.06	ng/ul	0.00
14) Anthracene-d10	18.18	188	378649	15.29	ng/ul	0.00
18) Pyrene-d10	20.40	212	361579	15.40	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.63	264	329350	11.20	ng/ul	0.02
Target Compounds						
3) Naphthalene	11.70	128	37868	1.13	ng/ul	Qvalue 99
8) Acenaphthylene	15.10	152	74910	2.48	ng/ul	98
9) Acenaphthene	15.43	153	313906	15.76	ng/ul	99
13) Phenanthrene	18.12	178	233388	7.87	ng/ul	99
15) Anthracene	18.22	178	73304	2.44	ng/ul	99
16) Fluoranthene	20.07	202	546665	16.29	ng/ul	96
19) Pyrene	20.43	202	958748	30.89	ng/ul	98
20) Benzo(a)anthracene	22.14	228	320598	10.12	ng/ul	98
21) Chrysene	22.20	228	319015m	10.77	ng/ul	
23) Benzo(b)fluoranthene	23.99	252	500310	14.78	ng/ul#	95
24) Benzo(k)fluoranthene	24.03	252	136056m	4.24	ng/ul	
26) Benzo(a)pyrene	24.68	252	338342	10.46	ng/ul#	95
27) Indeno(1,2,3-cd)pyrene	27.57	276	276249	7.43	ng/ul	97
28) Dibenzo(a,h)anthracene	27.56	278	86814	2.79	ng/ul#	72
29) Benzo(g,h,i)perylene	28.43	276	306056	9.89	ng/ul	96

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

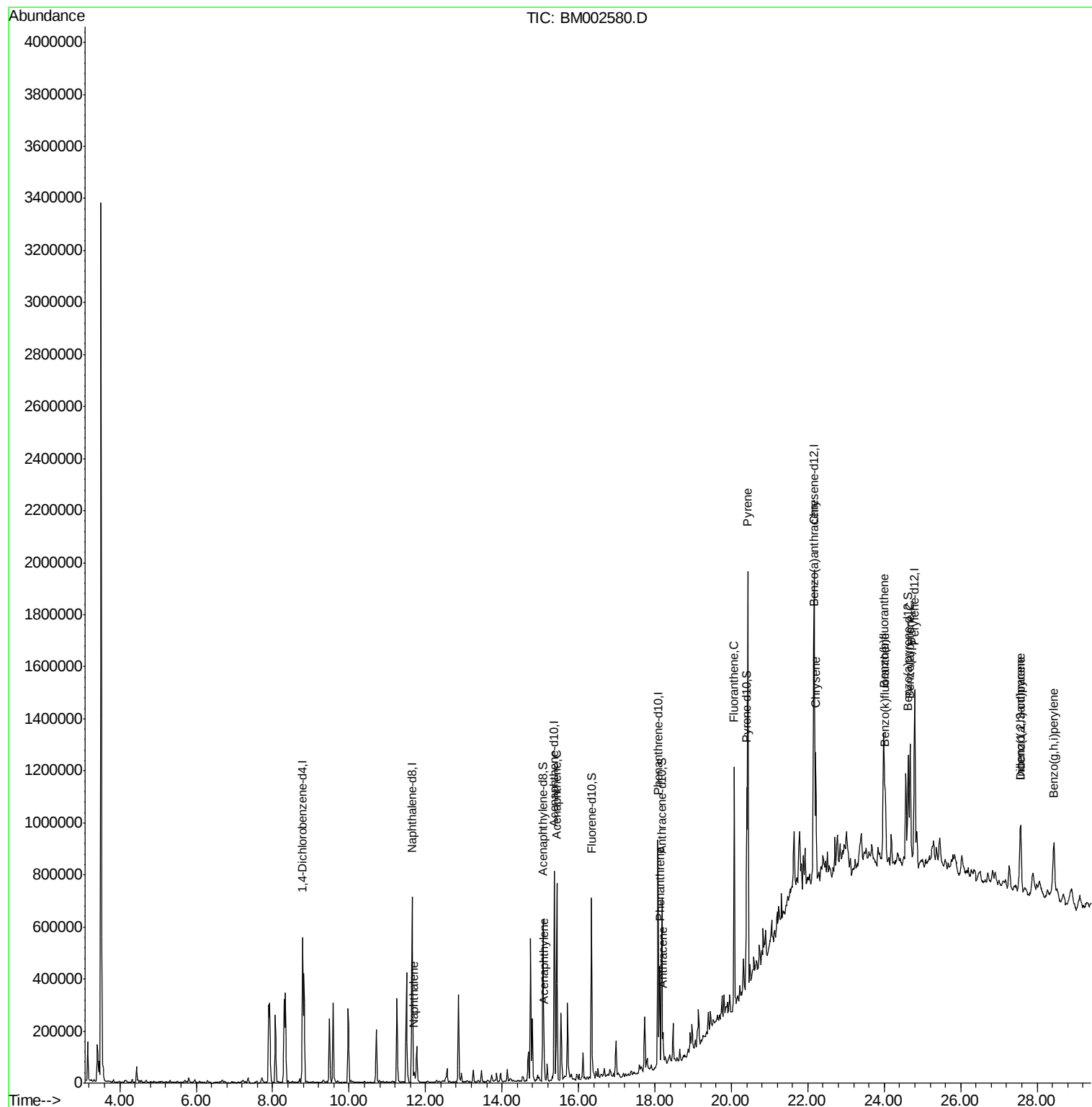
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM082915\
Data File : BM002580.D
Acq On : 30 Aug 2015 00:34
Operator : UM/IZ
Sample : G3455-18MS
Misc :
ALS Vial : 21 Sample Multiplier: 1

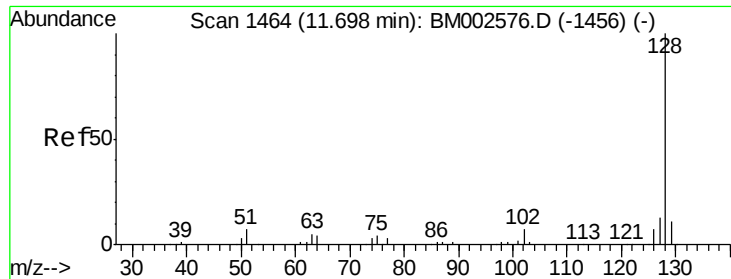
Instrument :
BNA_M
ClientSampleId :
D9E82MS

Manual Integrations
APPROVED

MMDadoda
8/31/2015 1:52:06 PM

Quant Time: Aug 31 01:44:16 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





#3

Naphthalene

Concen: 1.13 ng/ul

RT: 11.70 min Scan# 1464

Delta R.T. -0.00 min

Lab File: BM002580.D

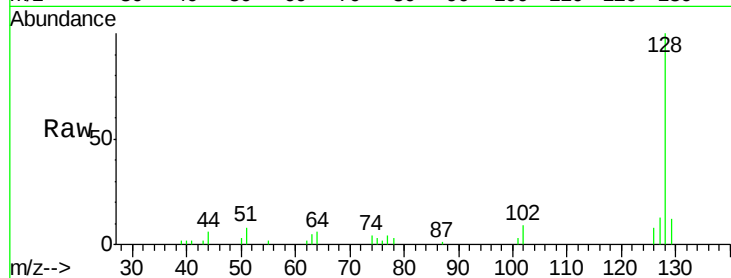
Acq: 30 Aug 2015 00:34

Instrument :

BNA_M

ClientSampleId :

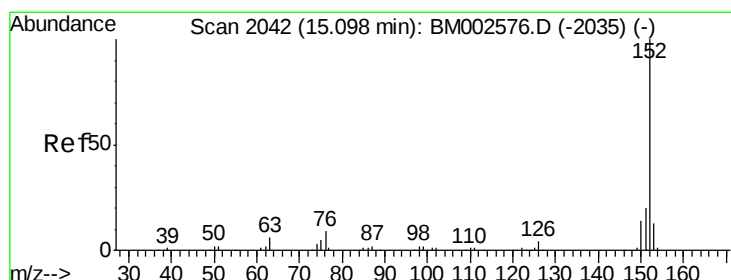
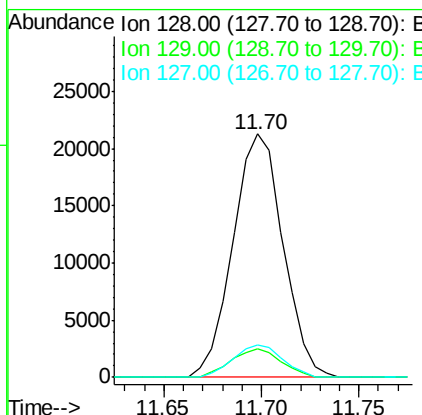
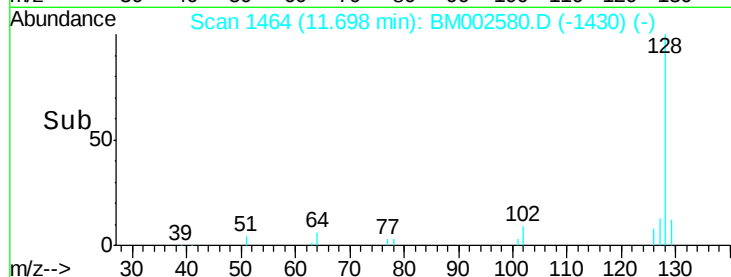
D9E82MS



Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.5	8.6	12.8
127	13.2	10.4	15.6

Manual Integrations
APPROVED

MMDadoda
8/31/2015 1:52:06 PM



#8

Acenaphthylene

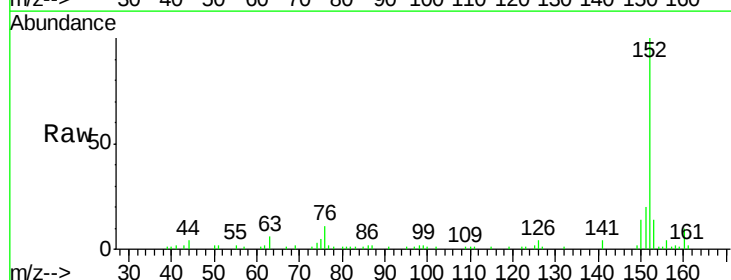
Concen: 2.48 ng/ul

RT: 15.10 min Scan# 2043

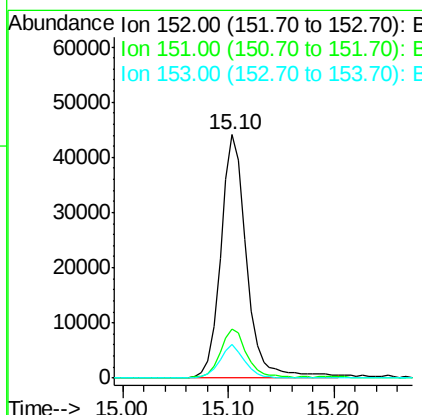
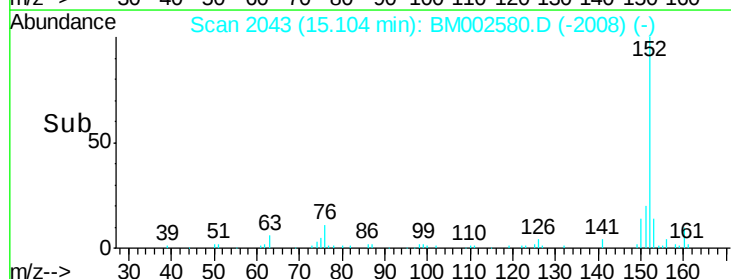
Delta R.T. 0.01 min

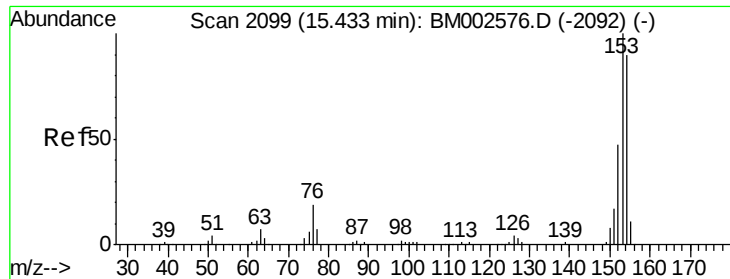
Lab File: BM002580.D

Acq: 30 Aug 2015 00:34



Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.2	15.7	23.5
153	13.7	10.2	15.4





#9

Acenaphthene

Concen: 15.76 ng/ul

RT: 15.43 min Scan# 2099

Delta R.T. -0.00 min

Lab File: BM002580.D

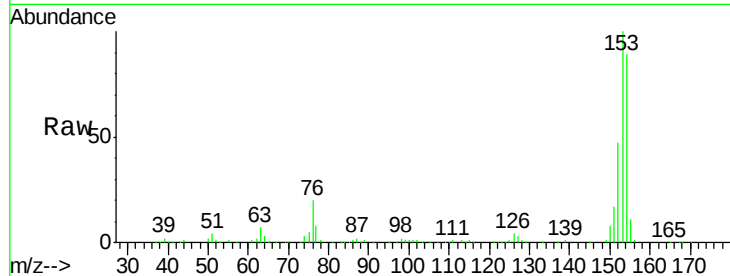
Acq: 30 Aug 2015 00:34

Instrument :

BNA_M

ClientSampleId :

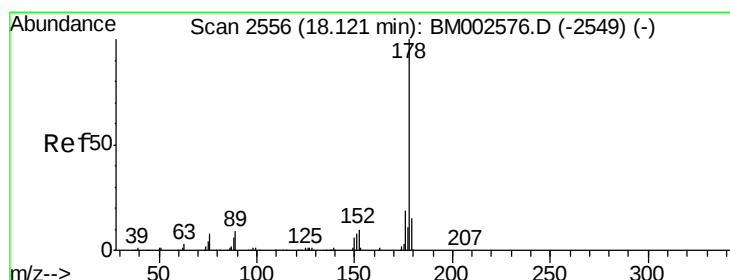
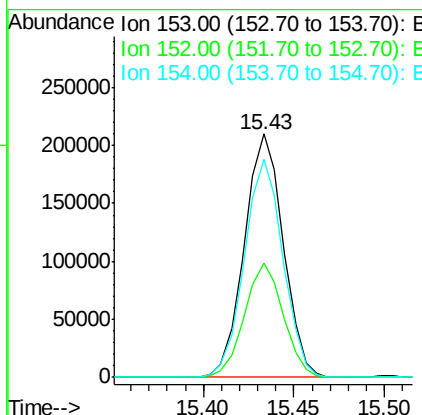
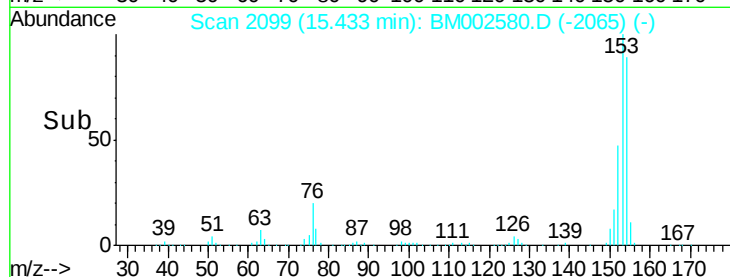
D9E82MS



Tgt Ion	Ratio	Lower	Upper
153	100		
152	47.0	36.9	55.3
154	89.3	71.3	106.9

Manual Integrations
APPROVED

MMDadoda
8/31/2015 1:52:06 PM



#13

Phenanthrene

Concen: 7.87 ng/ul

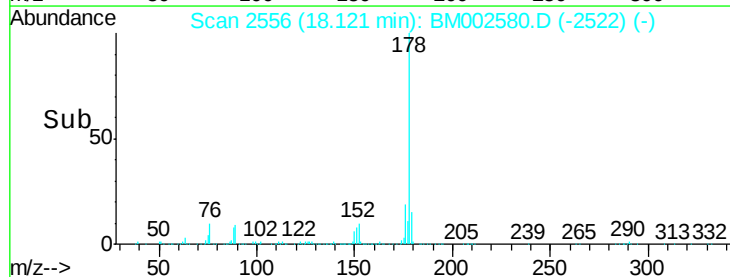
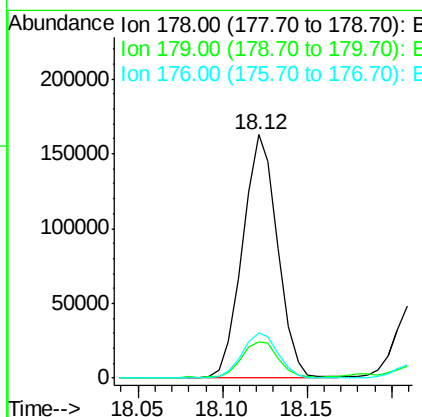
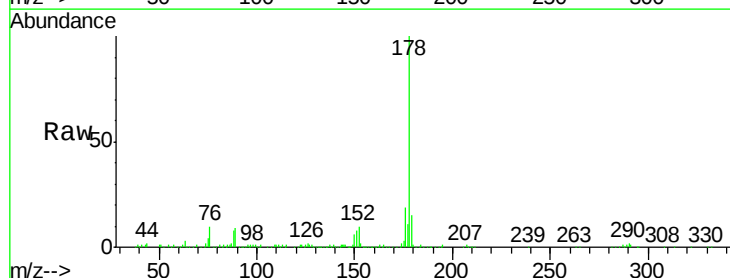
RT: 18.12 min Scan# 2556

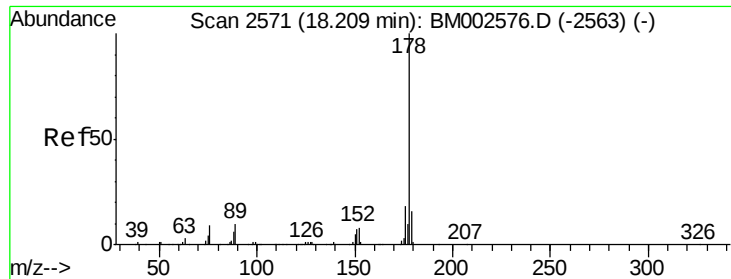
Delta R.T. -0.00 min

Lab File: BM002580.D

Acq: 30 Aug 2015 00:34

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





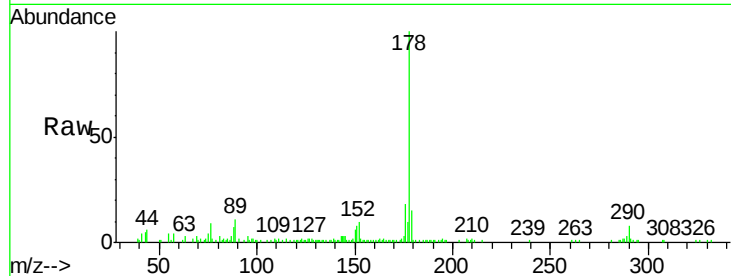
#15
 Anthracene
 Concen: 2.44 ng/ul
 RT: 18.22 min Scan# 2572
 Delta R.T. 0.01 min
 Lab File: BM002580.D
 Acq: 30 Aug 2015 00:34

Instrument :
 BNA_M
 ClientSampleId :
 D9E82MS

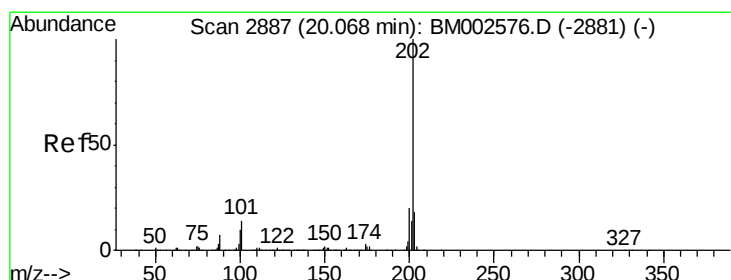
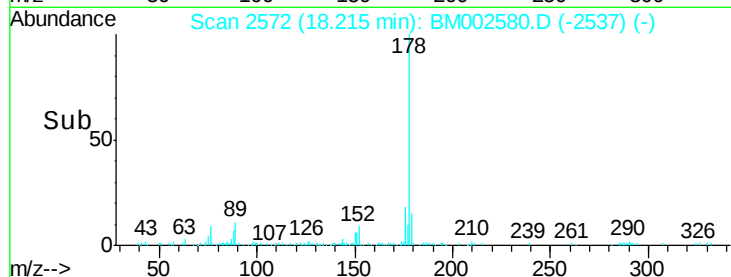
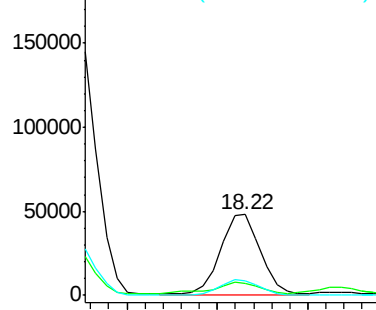
Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.6	18.8
176	18.5	14.5	21.7

Manual Integrations
 APPROVED

MMDadoda
 8/31/2015 1:52:06 PM



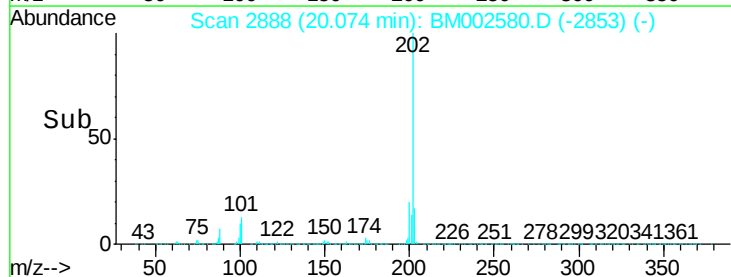
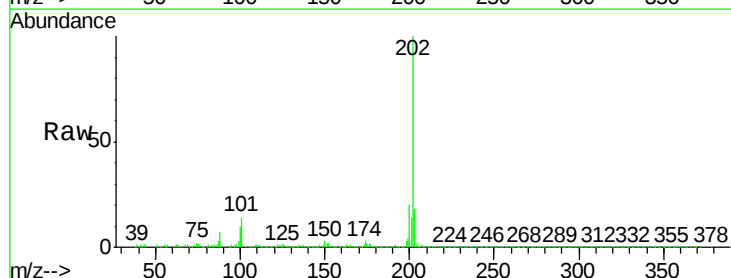
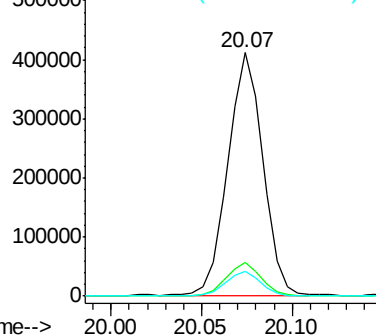
Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E

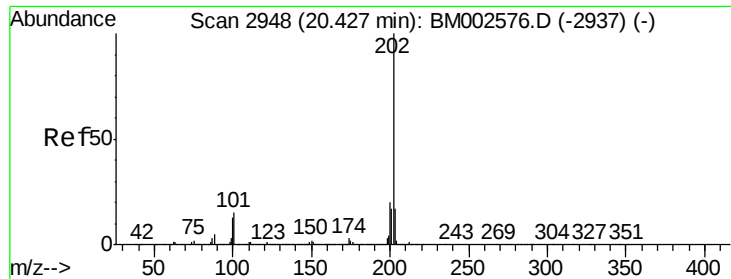


#16
 Fluoranthene
 Concen: 16.29 ng/ul
 RT: 20.07 min Scan# 2888
 Delta R.T. 0.01 min
 Lab File: BM002580.D
 Acq: 30 Aug 2015 00:34

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.7	9.7	14.5
100	10.3	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





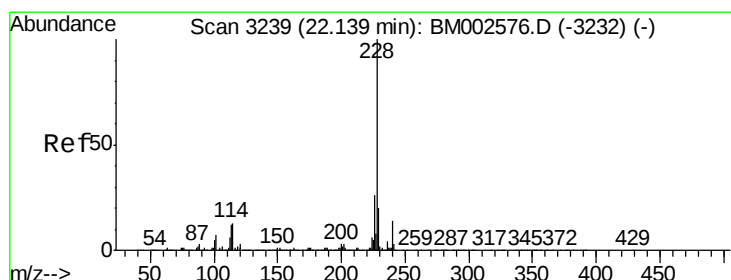
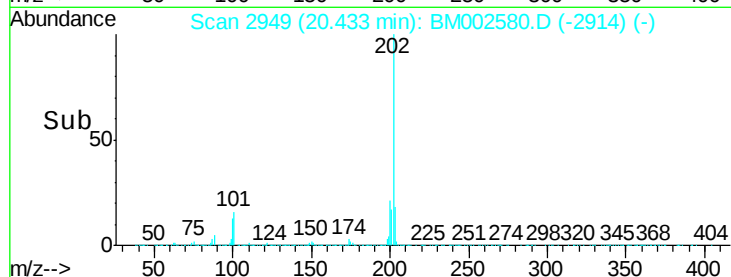
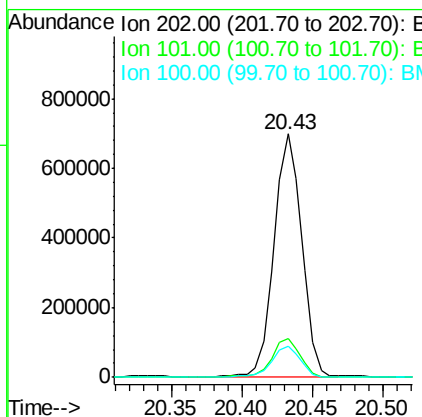
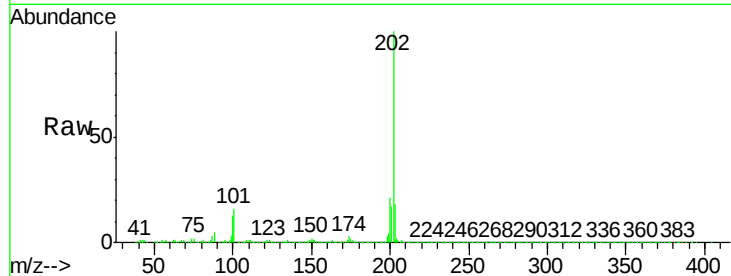
#19
 Pyrene
 Concen: 30.89 ng/ul
 RT: 20.43 min Scan# 2949
 Delta R.T. 0.01 min
 Lab File: BM002580.D
 Acq: 30 Aug 2015 00:34

Instrument :
 BNA_M
 ClientSampleId :
 D9E82MS

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	958748		
101	15.9	12.0	18.0	
100	12.9	9.7	14.5	

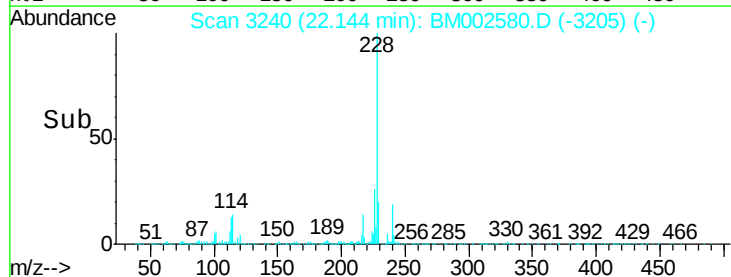
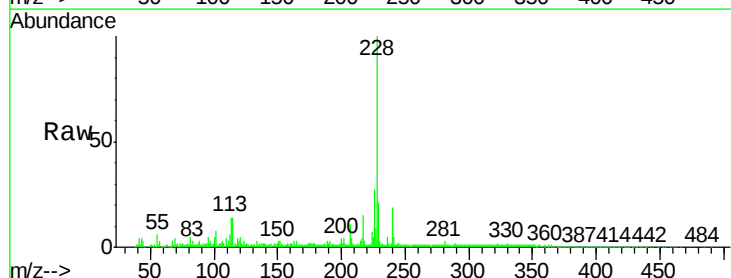
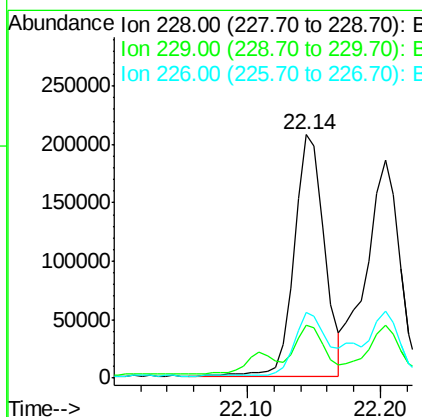
Manual Integrations
 APPROVED

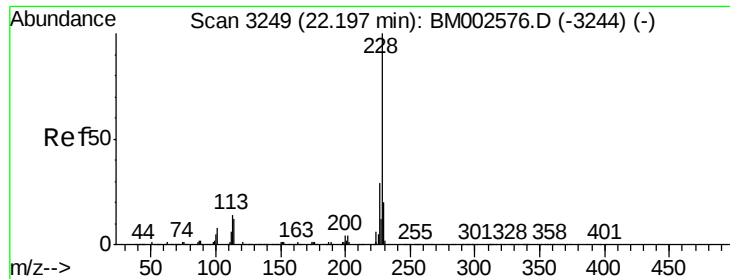
MMDadoda
 8/31/2015 1:52:06 PM



#20
 Benzo(a)anthracene
 Concen: 10.12 ng/ul
 RT: 22.14 min Scan# 3240
 Delta R.T. 0.01 min
 Lab File: BM002580.D
 Acq: 30 Aug 2015 00:34

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	320598		
229	21.5	15.8	23.6	
226	26.9	21.1	31.7	





#21

Chrysene

Concen: 10.77 ng/ul m

RT: 22.20 min Scan# 3250

Delta R.T. 0.01 min

Lab File: BM002580.D

Acq: 30 Aug 2015 00:34

Instrument :

BNA_M

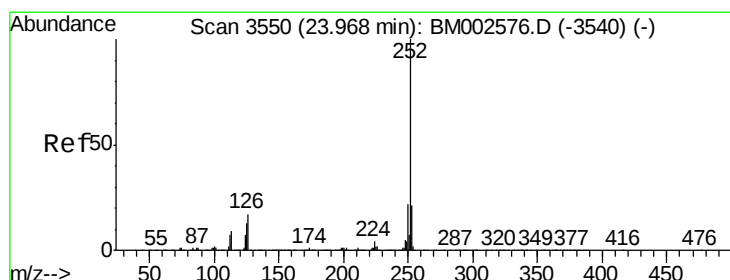
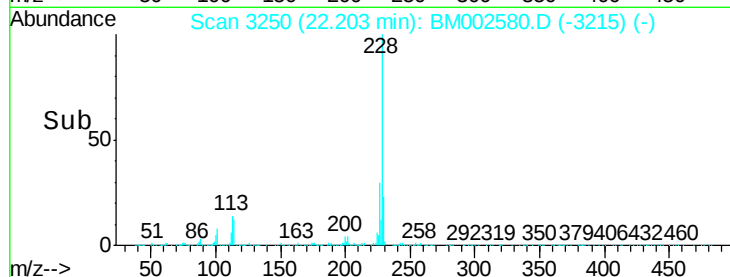
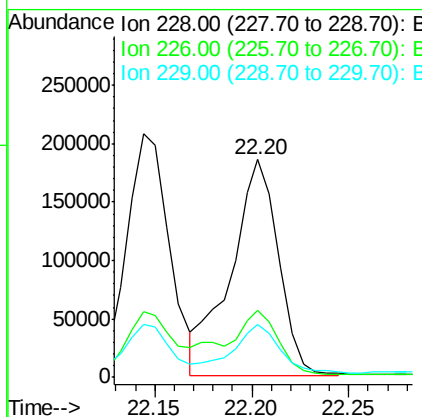
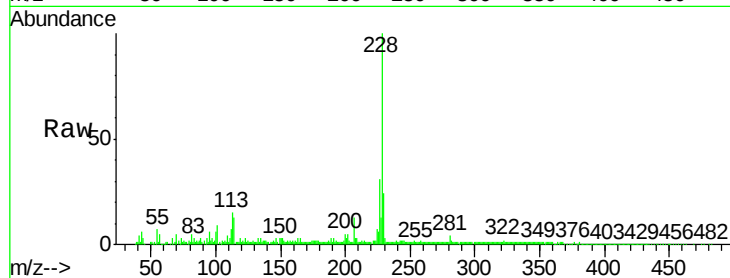
ClientSampleId :

D9E82MS

Manual Integrations
APPROVED

MMDadoda
8/31/2015 1:52:06 PM

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	319015		
226	30.6	23.4	35.2	
229	24.1	15.7	23.5#	



#23

Benzo(b)fluoranthene

Concen: 14.78 ng/ul

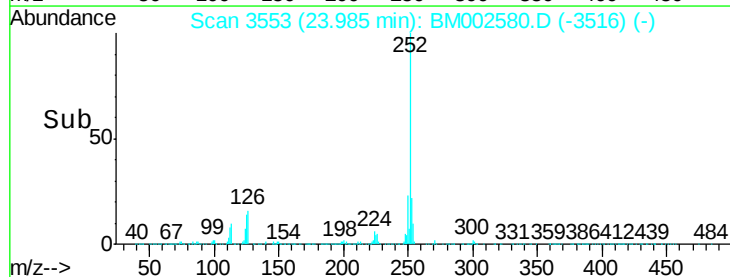
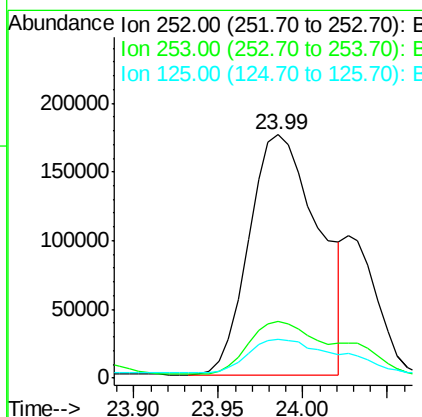
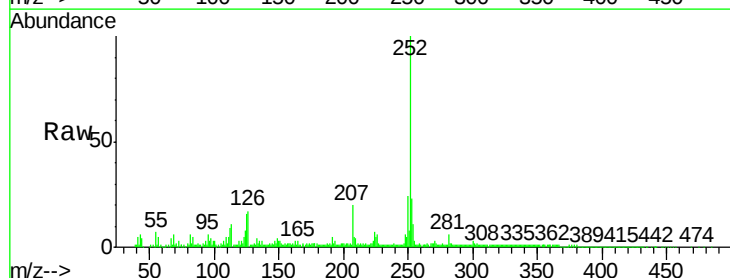
RT: 23.99 min Scan# 3553

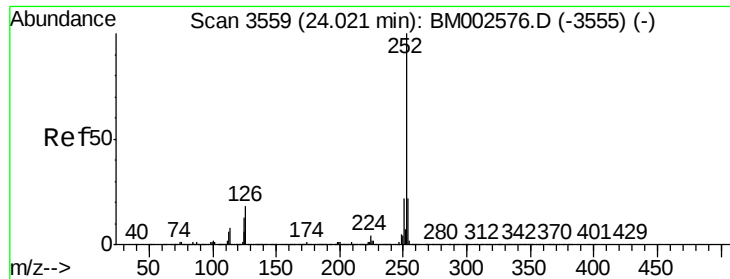
Delta R.T. 0.02 min

Lab File: BM002580.D

Acq: 30 Aug 2015 00:34

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	500310		
253	23.1	17.4	26.0	
125	16.1	10.0	15.0#	





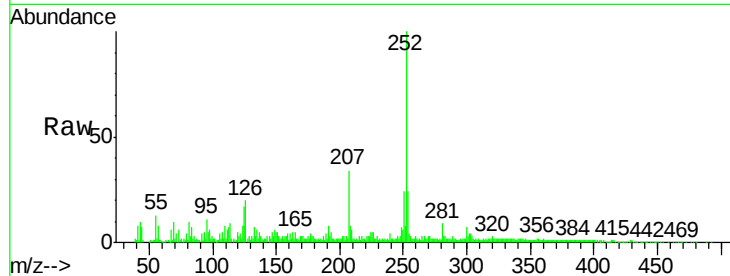
#24
Benzo(k)fluoranthene
Concen: 4.24 ng/ul m
RT: 24.03 min Scan# 3560
Delta R.T. 0.01 min
Lab File: BM002580.D
Acq: 30 Aug 2015 00:34

Instrument :
BNA_M
ClientSampleId :
D9E82MS

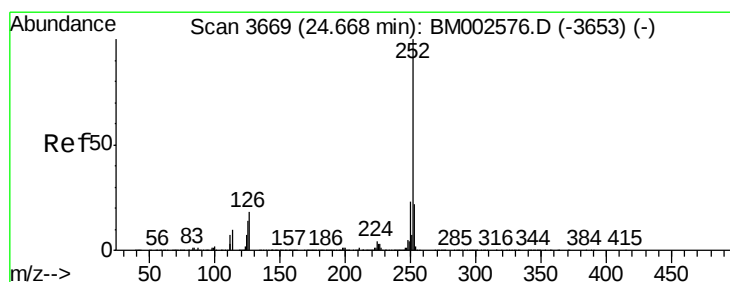
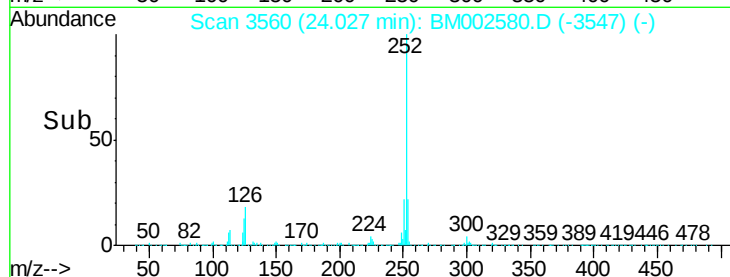
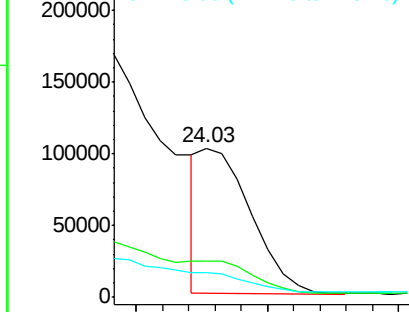
Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.8	26.6
125	16.9	9.8	14.8

Manual Integrations
APPROVED

MMDadoda
8/31/2015 1:52:06 PM

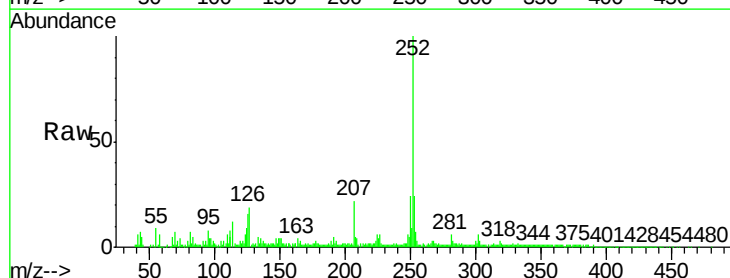


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

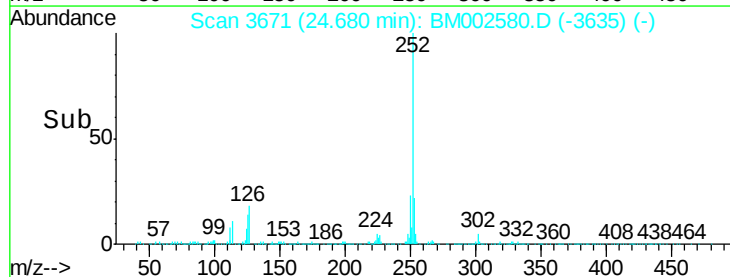
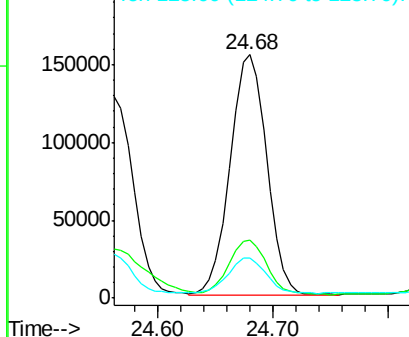


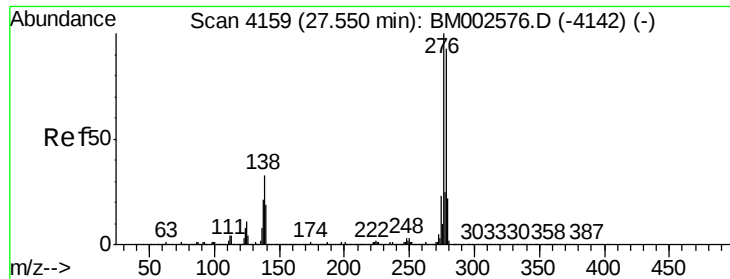
#26
Benzo(a)pyrene
Concen: 10.46 ng/ul
RT: 24.68 min Scan# 3671
Delta R.T. 0.01 min
Lab File: BM002580.D
Acq: 30 Aug 2015 00:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.6	26.4
125	16.3	10.7	16.1



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





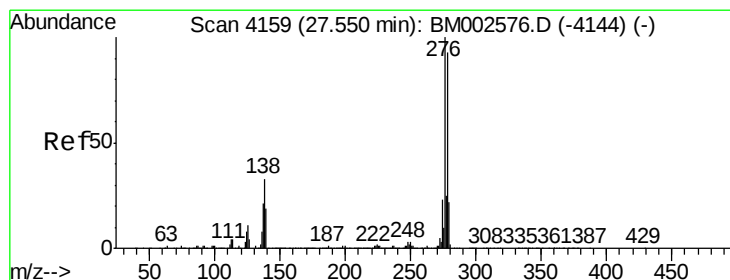
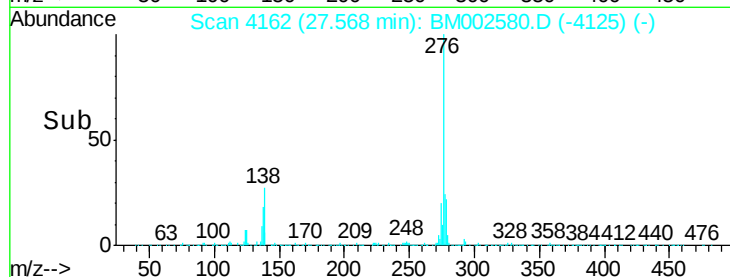
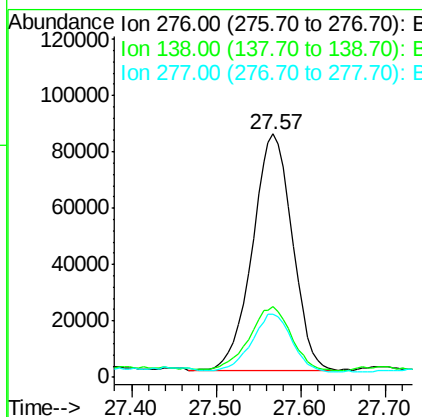
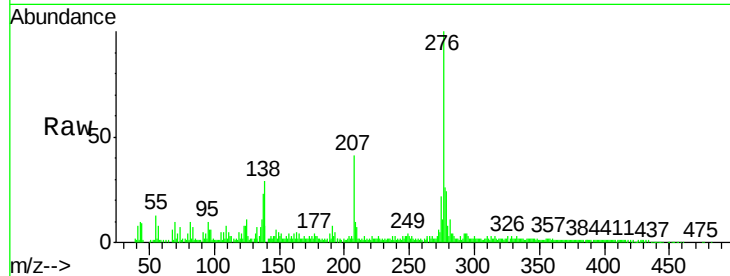
#27
 Indeno(1,2,3-cd)pyrene
 Concen: 7.43 ng/ul
 RT: 27.57 min Scan# 4162
 Delta R.T. 0.02 min
 Lab File: BM002580.D
 Acq: 30 Aug 2015 00:34

Instrument :
 BNA_M
 ClientSampleId :
 D9E82MS

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	276249		
138	28.9	25.3	37.9	
277	25.7	20.2	30.2	

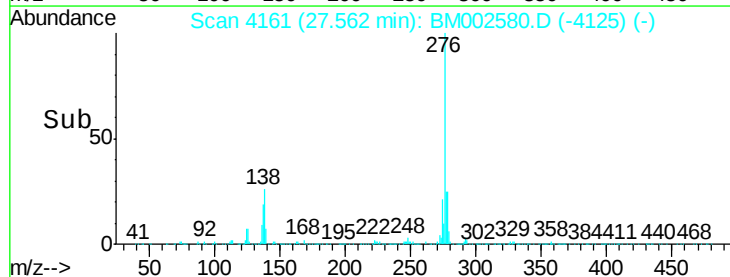
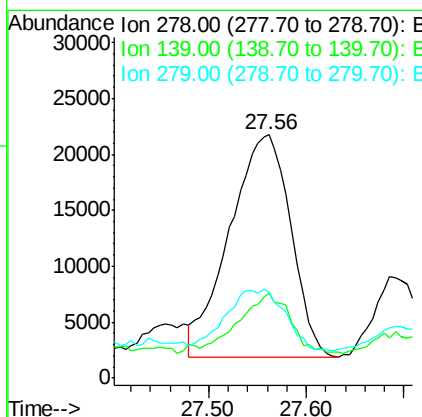
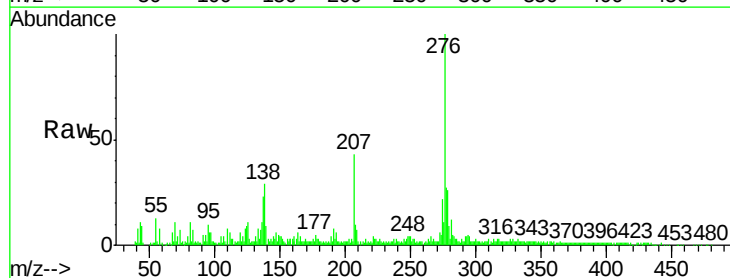
Manual Integrations
 APPROVED

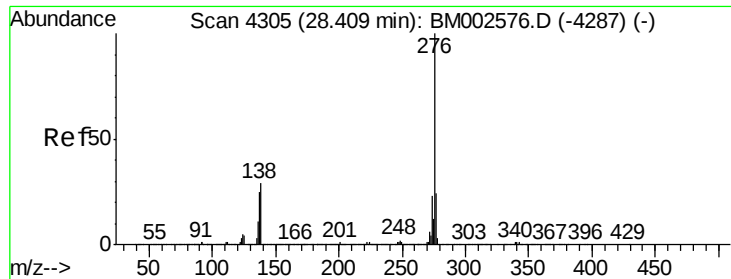
MMDadoda
 8/31/2015 1:52:06 PM



#28
 Dibenzo(a,h)anthracene
 Concen: 2.79 ng/ul
 RT: 27.56 min Scan# 4161
 Delta R.T. 0.01 min
 Lab File: BM002580.D
 Acq: 30 Aug 2015 00:34

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	86814		
139	34.9	16.5	24.7#	
279	35.6	18.8	28.2#	





#29

Benzo(g,h,i)perylene

Concen: 9.89 ng/ul

RT: 28.43 min Scan# 4309

Delta R.T. 0.02 min

Lab File: BM002580.D

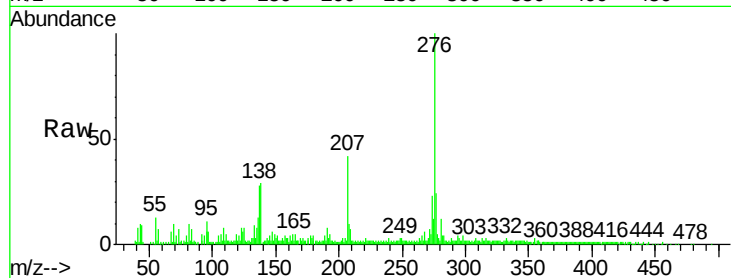
Acq: 30 Aug 2015 00:34

Instrument :

BNA_M

ClientSampleId :

D9E82MS



Tgt	Ion	Ratio	Lower	Upper
276	100			
138	29.3	21.0	31.6	
277	24.5	19.2	28.8	

Manual Integrations
APPROVED

MMDadoda
8/31/2015 1:52:06 PM

