

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081415\
 Data File : BM002442.D
 Acq On : 16 Aug 2015 01:42
 Operator : UM/IZ
 Sample : G3219-02
 Misc :
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9D95

Manual Integrations
 APPROVED

MMDadoda
 8/17/2015 2:47:39 PM

Quant Time: Aug 17 07:22:24 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081415MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 17 05:12:59 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.87	152	190444	20.00	ng/ul	0.00
2) Naphthalene-d8	11.75	136	844601	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.46	164	418794	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.16	188	751975	20.00	ng/ul	0.00
17) Chrysene-d12	22.24	240	496519	20.00	ng/ul	0.00
22) Perylene-d12	24.91	264	497547	20.00	ng/ul	0.02
System Monitoring Compounds						
7) Acenaphthylene-d8	15.16	160	892450	20.84	ng/ul	0.00
10) Fluorene-d10	16.43	176	572723	19.04	ng/ul	0.00
14) Anthracene-d10	18.26	188	721209	19.88	ng/ul	0.00
18) Pyrene-d10	20.47	212	558072	25.36	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.74	264	458281	17.53	ng/ul	0.02
Target Compounds						
3) Naphthalene	11.80	128	101416	2.35	ng/ul	Qvalue 100
4) 2-Methylnaphthalene	13.34	142	90512	2.80	ng/ul	100
5) 1-Methylnaphthalene	13.55	142	74305	2.33	ng/ul	98
13) Phenanthrene	18.20	178	500988	11.54	ng/ul	100
15) Anthracene	18.29	178	87704	1.99	ng/ul	99
16) Fluoranthene	20.14	202	632651	12.87	ng/ul	98
19) Pyrene	20.50	202	487642	16.76	ng/ul	100
20) Benzo(a)anthracene	22.22	228	265698	8.95	ng/ul	98
21) Chrysene	22.28	228	279629m	10.07	ng/ul	
23) Benzo(b)fluoranthene	24.09	252	424707	14.12	ng/ul	96
24) Benzo(k)fluoranthene	24.13	252	129143m	4.53	ng/ul	
26) Benzo(a)pyrene	24.79	252	272782	9.49	ng/ul	96
27) Indeno(1,2,3-cd)pyrene	27.74	276	227915	6.90	ng/ul	94
28) Dibenzo(a,h)anthracene	27.73	278	60781	2.20	ng/ul#	71
29) Benzo(g,h,i)perylene	28.62	276	204012	7.42	ng/ul	97

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

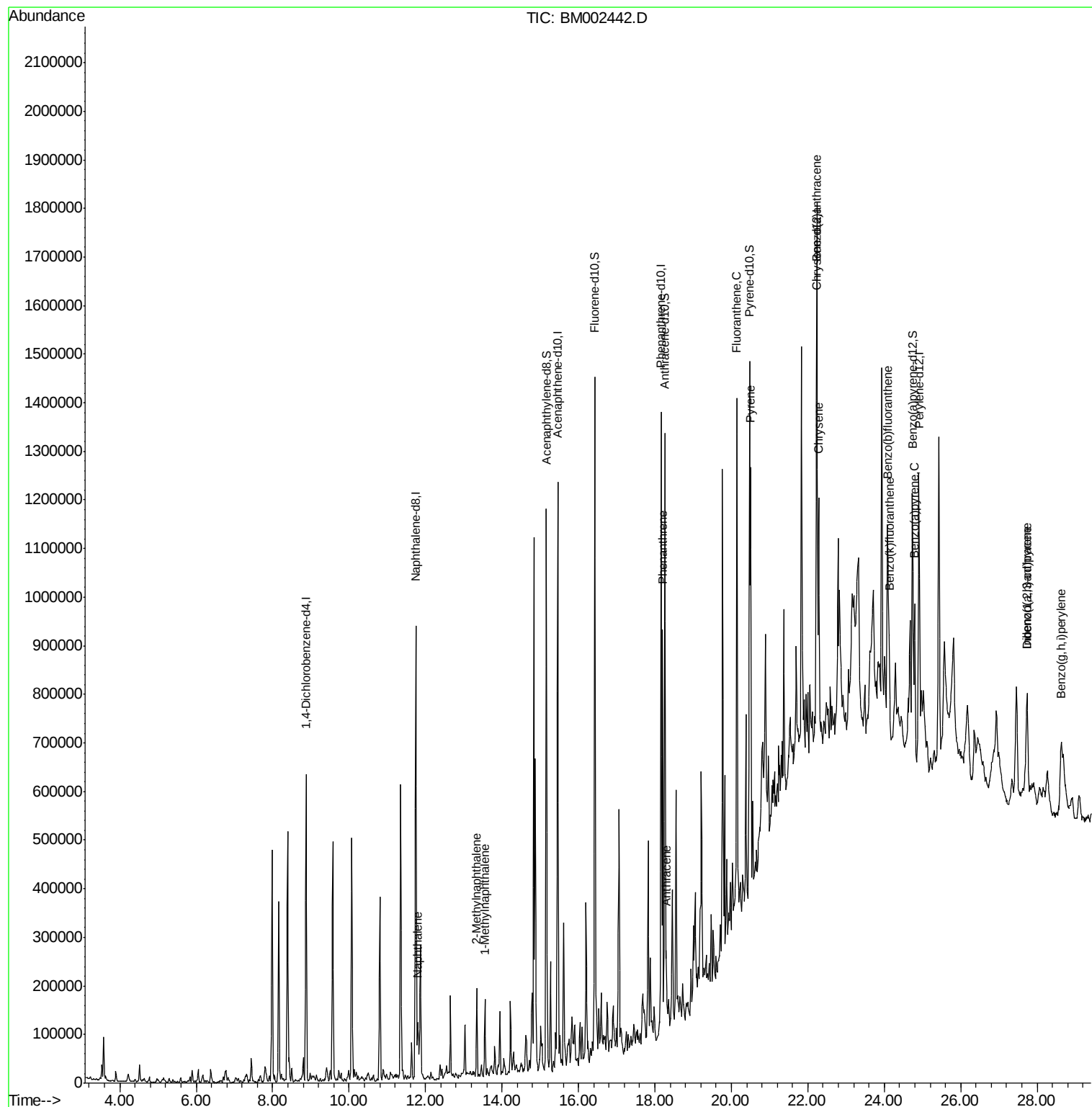
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081415\
Data File : BM002442.D
Acq On : 16 Aug 2015 01:42
Operator : UM/IZ
Sample : G3219-02
Misc :
ALS Vial : 48 Sample Multiplier: 1

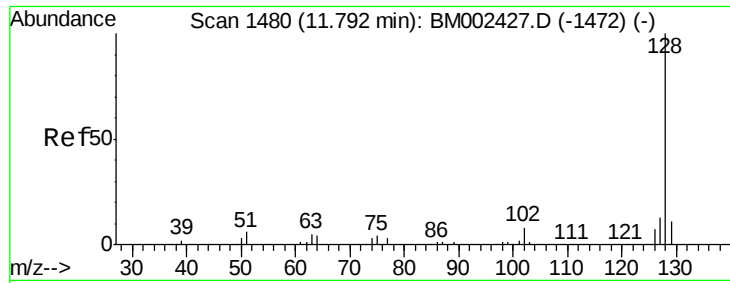
Instrument :
BNA_M
ClientSampleId :
D9D95

Manual Integrations
APPROVED

MMDadoda
8/17/2015 2:47:39 PM

Quant Time: Aug 17 07:22:24 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081415MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 17 05:12:59 2015
Response via : Initial Calibration





#3

Naphthalene

Concen: 2.35 ng/ul

RT: 11.80 min Scan# 1481

Delta R.T. 0.01 min

Lab File: BM002442.D

Acq: 16 Aug 2015 01:42

Instrument :

BNA_M

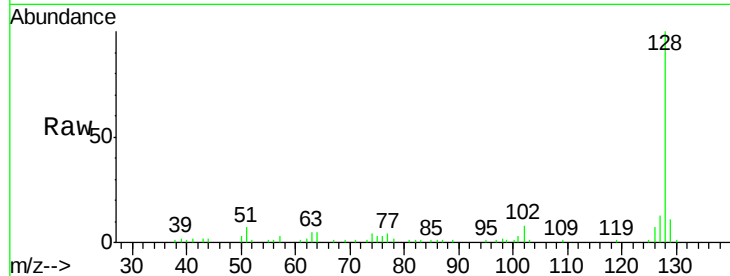
ClientSampleId :

D9D95

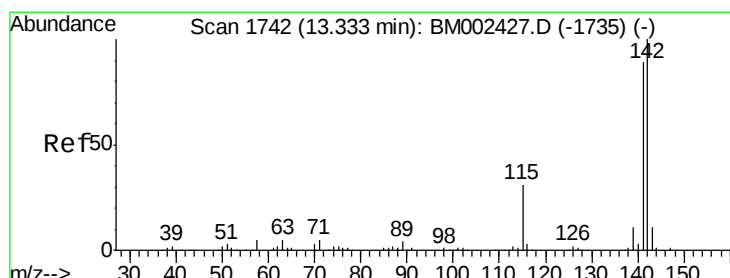
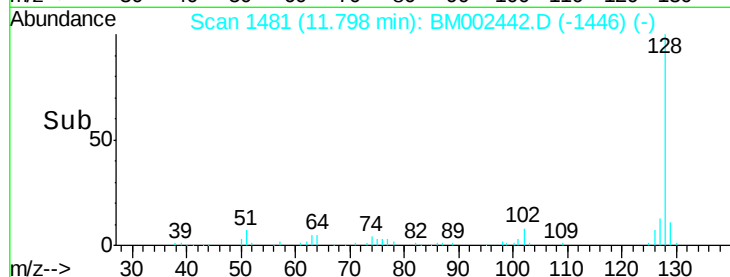
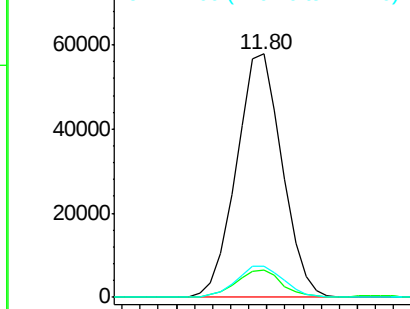
Tgt Ion:	128	Resp:	101416
Ion Ratio	Lower	Upper	
128	100		
129	11.1	8.6	12.8
127	13.0	10.4	15.6

Manual Integrations
APPROVED

MMDadoda
8/17/2015 2:47:39 PM



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#4

2-Methylnaphthalene

Concen: 2.80 ng/ul

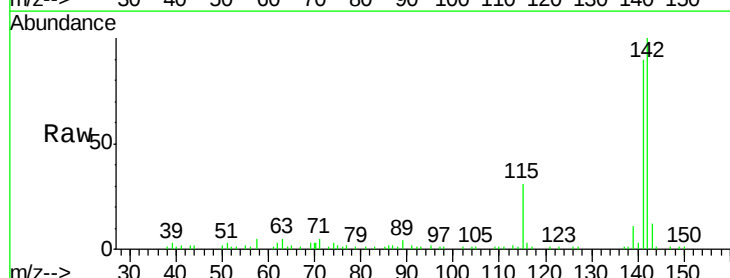
RT: 13.34 min Scan# 1743

Delta R.T. 0.01 min

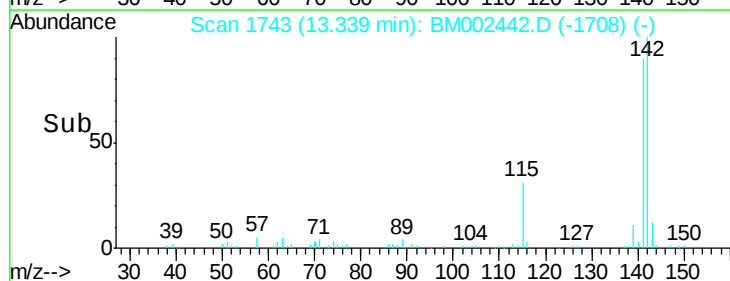
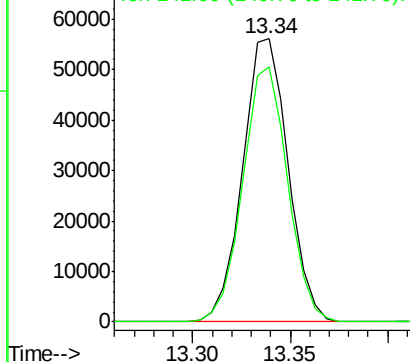
Lab File: BM002442.D

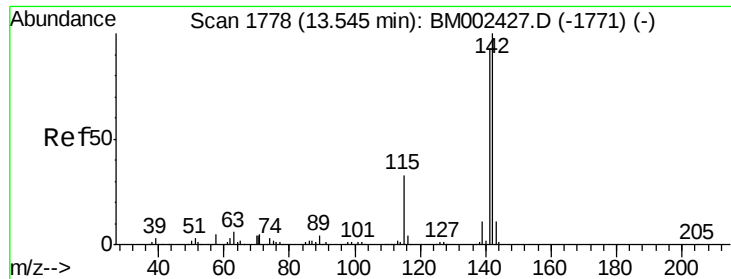
Acq: 16 Aug 2015 01:42

Tgt Ion:	142	Resp:	90512
Ion Ratio	Lower	Upper	
142	100		
141	90.1	72.2	108.2



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E





#5

1-Methylnaphthalene

Concen: 2.33 ng/ul

RT: 13.55 min Scan# 1779

Delta R.T. 0.01 min

Lab File: BM002442.D

Acq: 16 Aug 2015 01:42

Instrument :

BNA_M

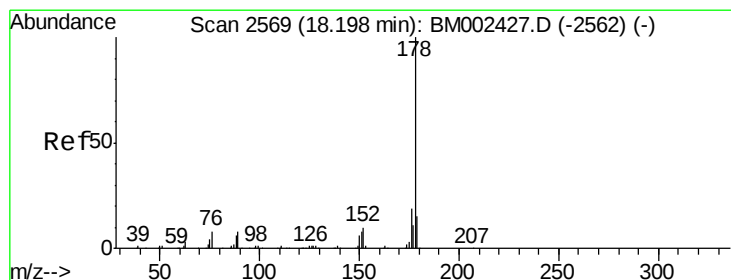
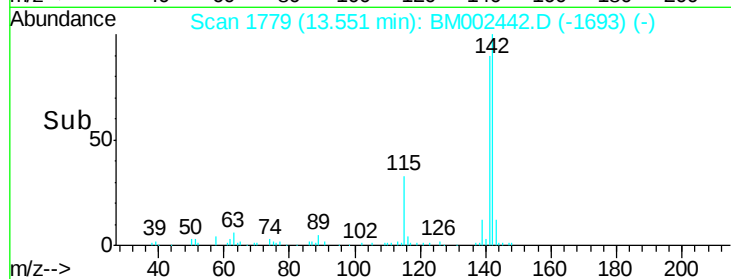
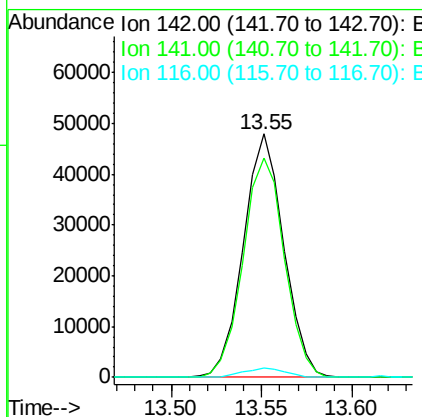
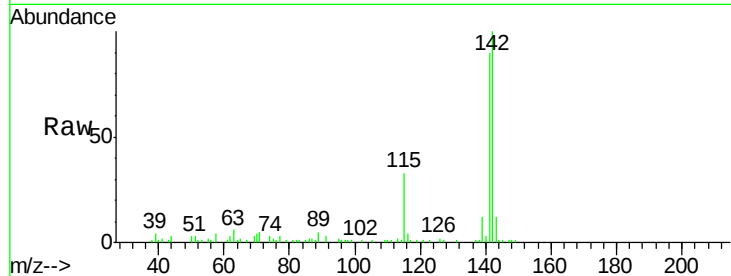
ClientSampleId :

D9D95

Tgt Ion:	142	Resp:	74305
Ion Ratio	Lower	Upper	
142	100		
141	90.3	73.9	110.9
116	3.9	3.0	4.4

Manual Integrations
APPROVED

MMDadoda
8/17/2015 2:47:39 PM



#13

Phenanthrene

Concen: 11.54 ng/ul

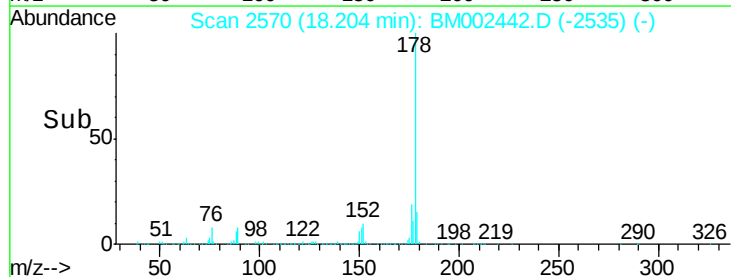
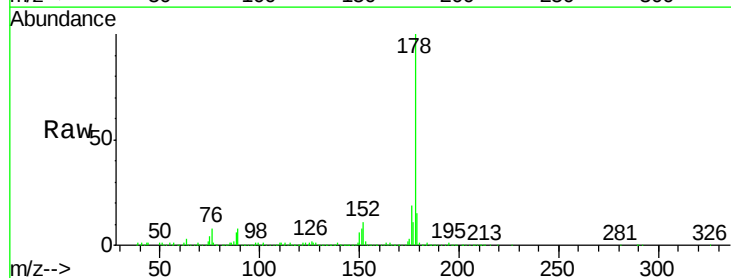
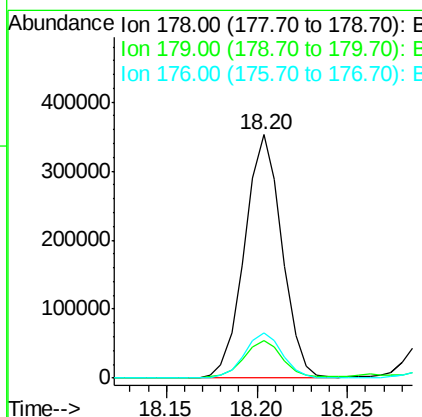
RT: 18.20 min Scan# 2570

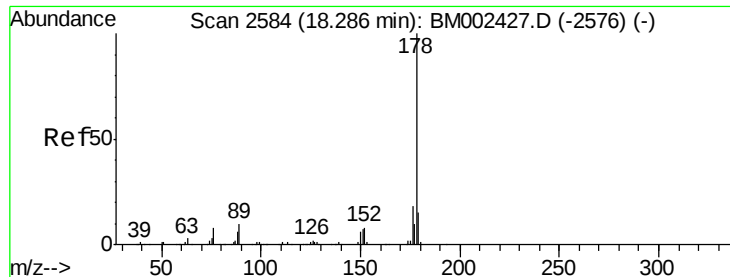
Delta R.T. 0.01 min

Lab File: BM002442.D

Acq: 16 Aug 2015 01:42

Tgt Ion:	178	Resp:	500988
Ion Ratio	Lower	Upper	
178	100		
179	15.4	12.4	18.6
176	18.6	15.1	22.7





#15

Anthracene

Concen: 1.99 ng/ul

RT: 18.29 min Scan# 2585

Delta R.T. 0.01 min

Lab File: BM002442.D

Acq: 16 Aug 2015 01:42

Instrument :

BNA_M

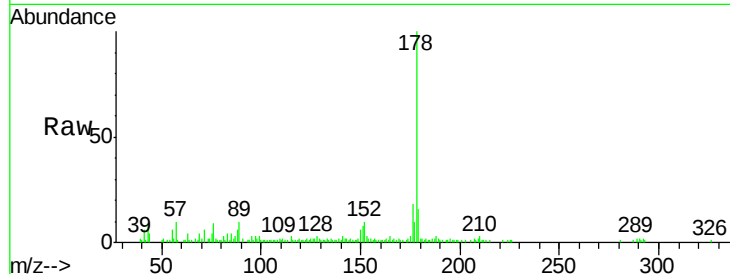
ClientSampleId :

D9D95

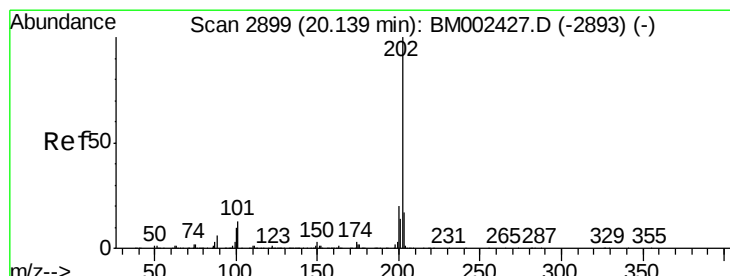
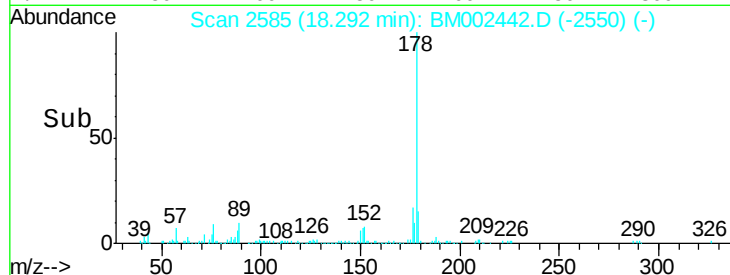
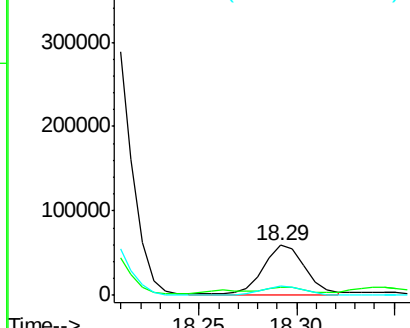
Tgt Ion:	178	Resp:	87704
Ion Ratio	Lower	Upper	
178	100		
179	16.1	12.6	18.8
176	18.0	14.5	21.7

Manual Integrations
APPROVED

MMDadoda
8/17/2015 2:47:39 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: 12.87 ng/ul

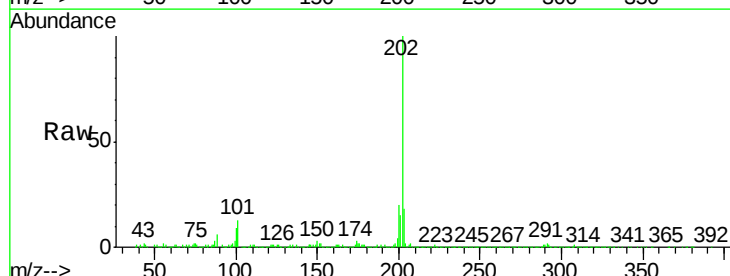
RT: 20.14 min Scan# 2900

Delta R.T. 0.01 min

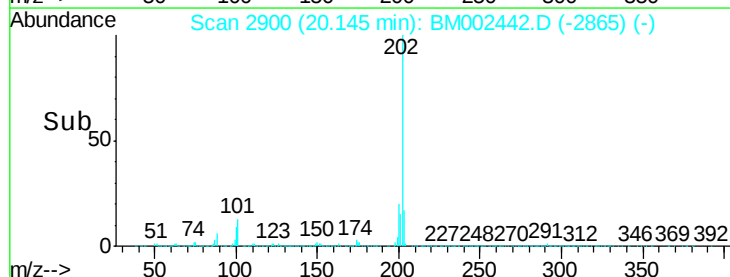
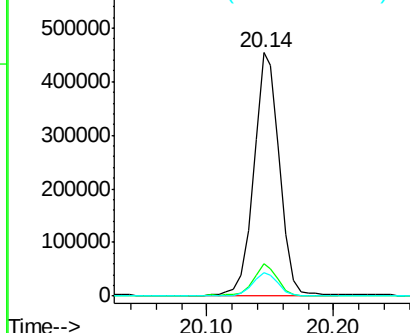
Lab File: BM002442.D

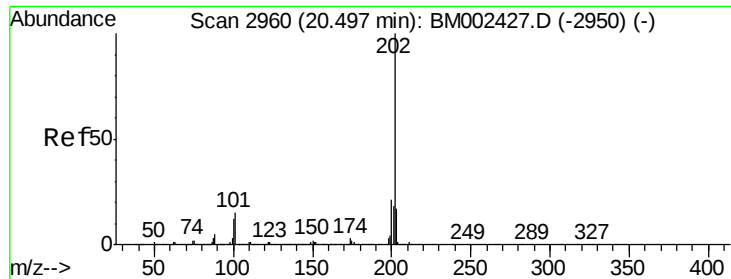
Acq: 16 Aug 2015 01:42

Tgt Ion:	202	Resp:	632651
Ion Ratio	Lower	Upper	
202	100		
101	13.1	9.7	14.5
100	9.5	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





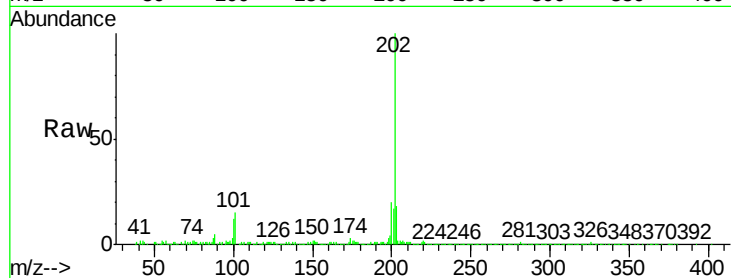
#19
 Pyrene
 Concen: 16.76 ng/ul
 RT: 20.50 min Scan# 2961
 Delta R.T. 0.01 min
 Lab File: BM002442.D
 Acq: 16 Aug 2015 01:42

Instrument :
 BNA_M
 ClientSampleId :
 D9D95

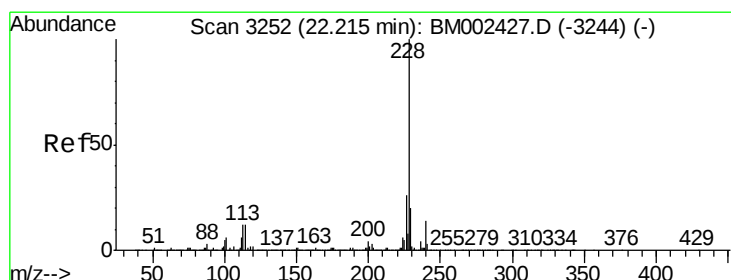
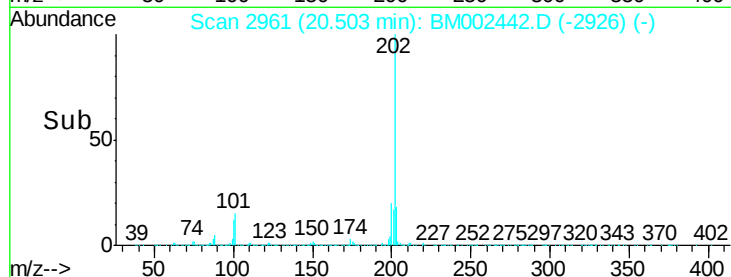
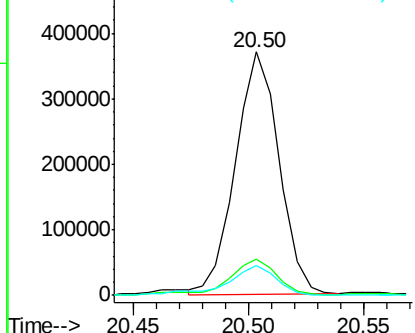
Tgt Ion	Ratio	Resp	Lower	Upper
202	100	487642		
101	14.7	12.0	18.0	
100	12.0	9.7	14.5	

Manual Integrations
 APPROVED

MMDadoda
 8/17/2015 2:47:39 PM

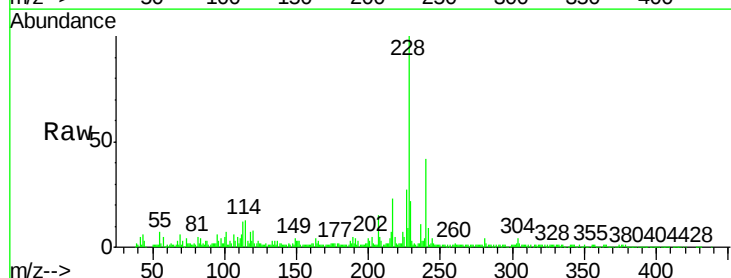


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

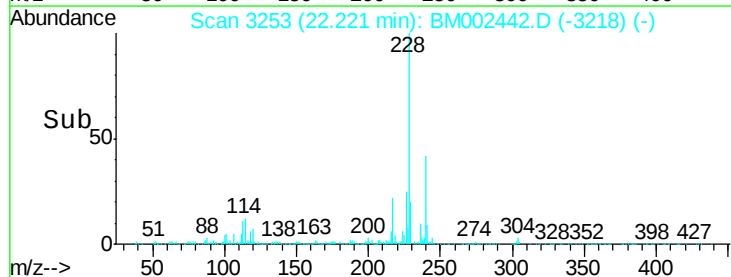
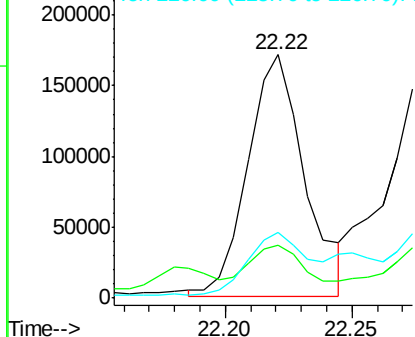


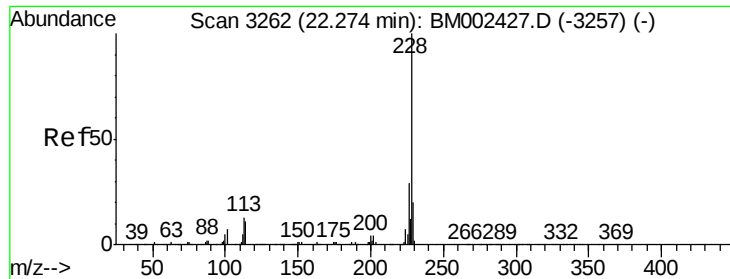
#20
 Benzo(a)anthracene
 Concen: 8.95 ng/ul
 RT: 22.22 min Scan# 3253
 Delta R.T. 0.01 min
 Lab File: BM002442.D
 Acq: 16 Aug 2015 01:42

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	265698		
229	22.0	15.8	23.6	
226	26.7	21.1	31.7	



Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 229.00 (228.70 to 229.70): E
 Ion 226.00 (225.70 to 226.70): E





#21

Chrysene

Concen: 10.07 ng/ul m

RT: 22.28 min Scan# 3263

Delta R.T. 0.01 min

Lab File: BM002442.D

Acq: 16 Aug 2015 01:42

Instrument :

BNA_M

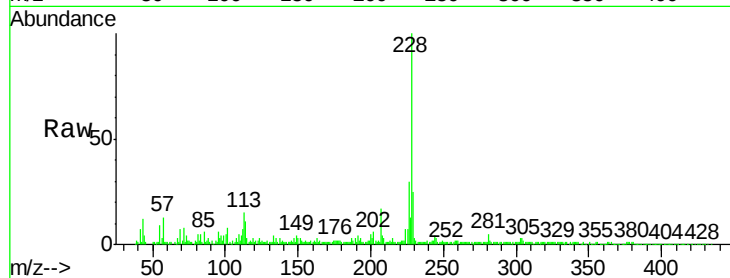
ClientSampleId :

D9D95

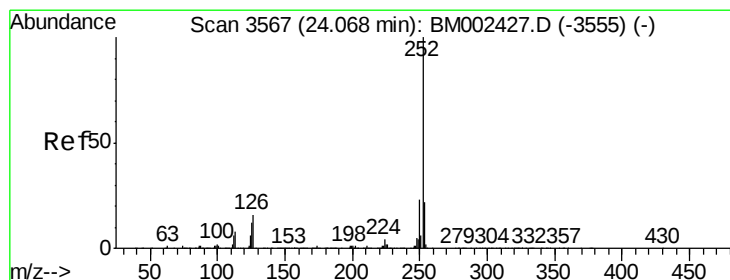
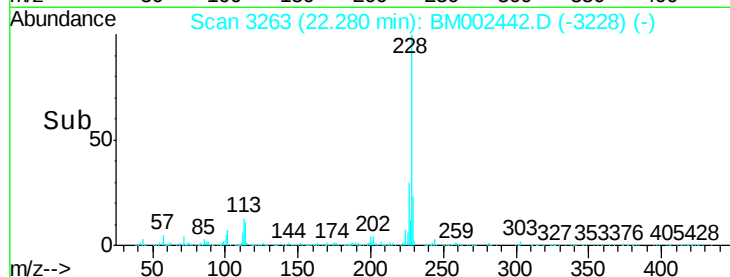
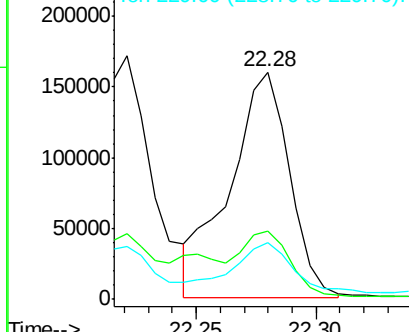
Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	23.4	35.2
229	24.8	15.7	23.5

Manual Integrations
APPROVED

MMDadoda
8/17/2015 2:47:39 PM



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#23

Benzo(b)fluoranthene

Concen: 14.12 ng/ul

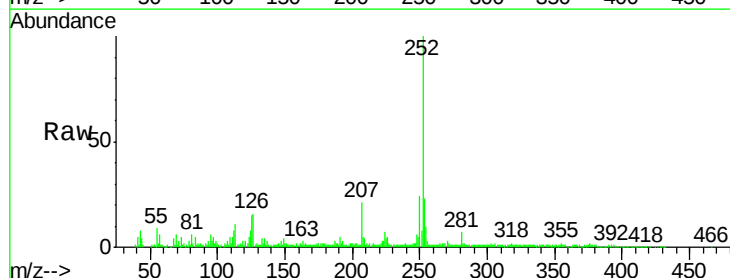
RT: 24.09 min Scan# 3570

Delta R.T. 0.02 min

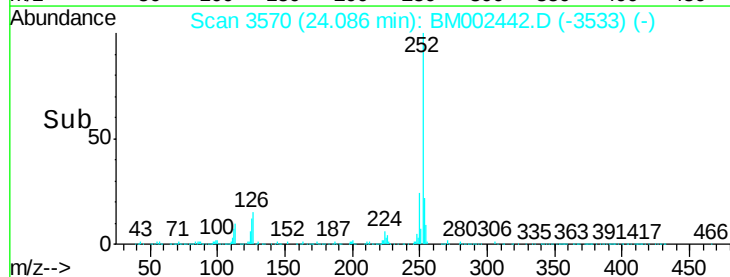
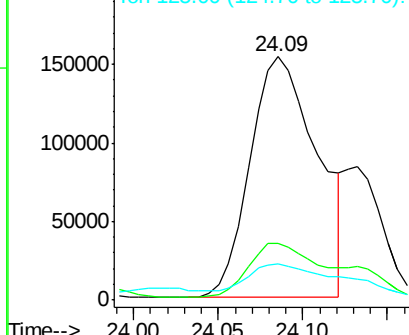
Lab File: BM002442.D

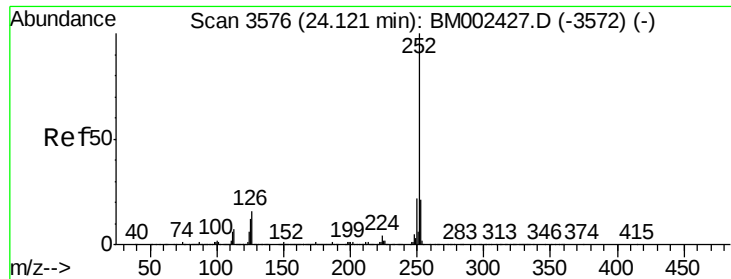
Acq: 16 Aug 2015 01:42

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.4	26.0
125	14.8	10.0	15.0



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





#24

Benzo(k)fluoranthene

Concen: 4.53 ng/ul m

RT: 24.13 min Scan# 3578

Delta R.T. 0.01 min

Lab File: BM002442.D

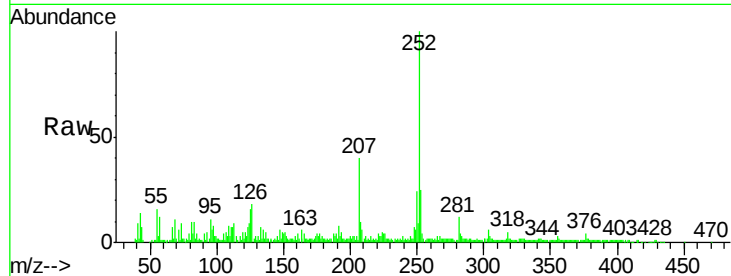
Acq: 16 Aug 2015 01:42

Instrument :

BNA_M

ClientSampleId :

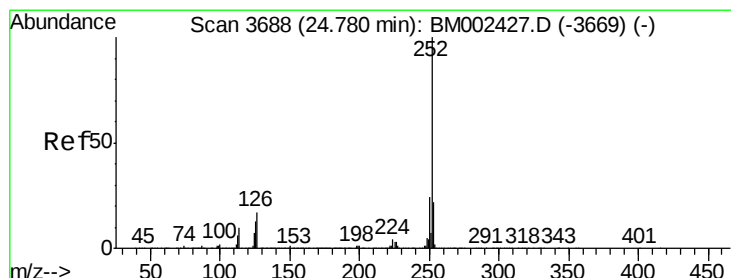
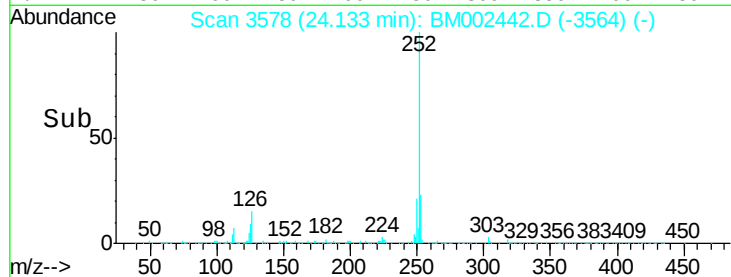
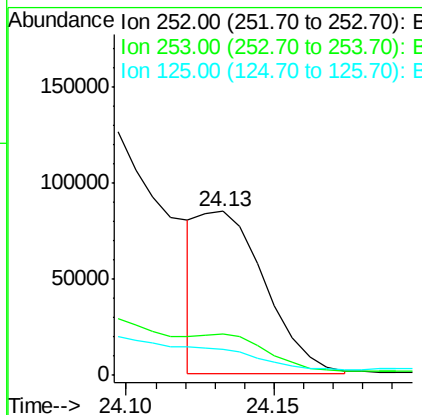
D9D95



Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.0	17.8	26.6
125	15.7	9.8	14.8

Manual Integrations
APPROVED

MMDadoda
8/17/2015 2:47:39 PM



#26

Benzo(a)pyrene

Concen: 9.49 ng/ul

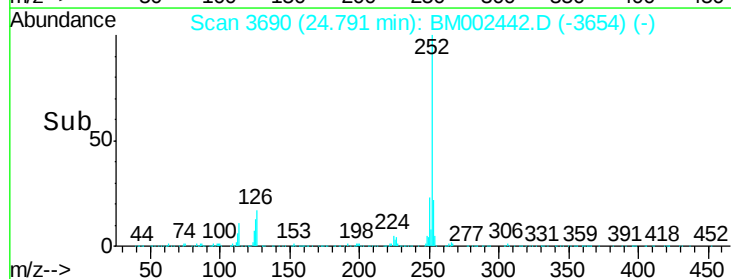
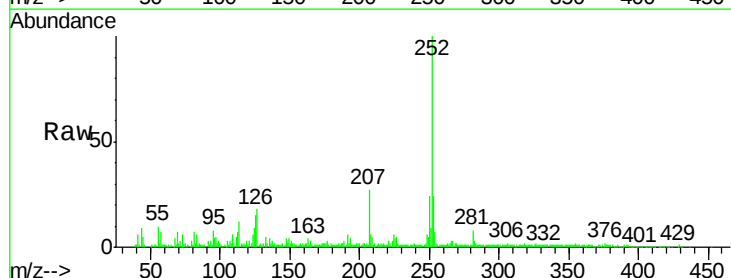
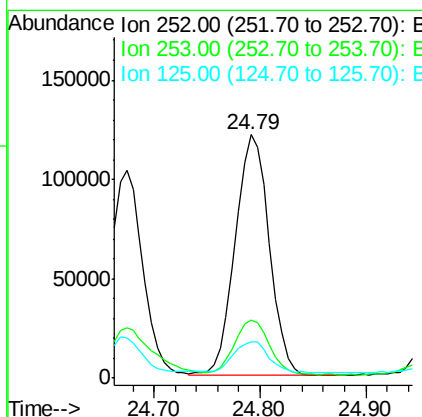
RT: 24.79 min Scan# 3690

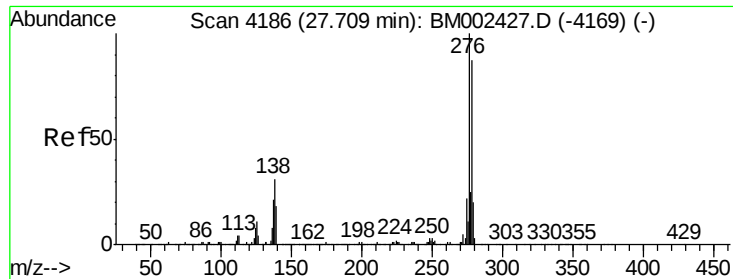
Delta R.T. 0.01 min

Lab File: BM002442.D

Acq: 16 Aug 2015 01:42

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.6	26.4
125	15.1	10.7	16.1





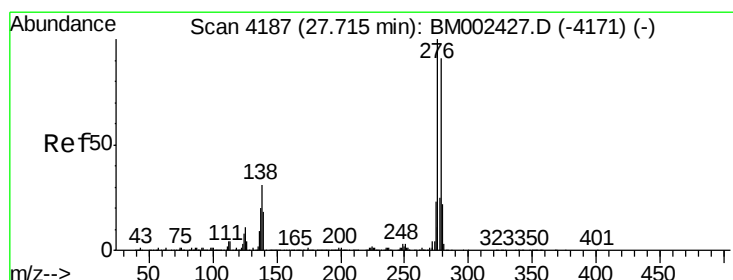
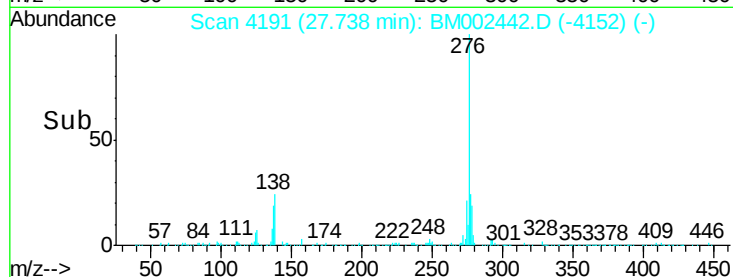
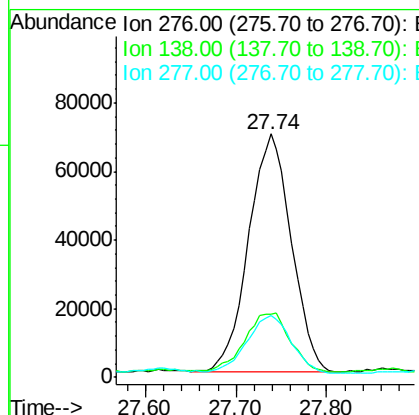
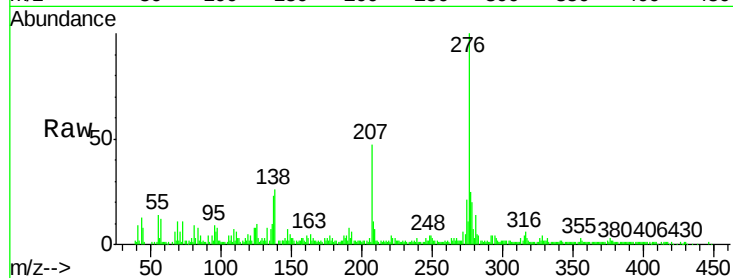
#27
 Indeno(1,2,3-cd)pyrene
 Concen: 6.90 ng/ul
 RT: 27.74 min Scan# 4191
 Delta R.T. 0.03 min
 Lab File: BM002442.D
 Acq: 16 Aug 2015 01:42

Instrument :
 BNA_M
 ClientSampleId :
 D9D95

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	26.0	25.3	37.9
277	25.4	20.2	30.2

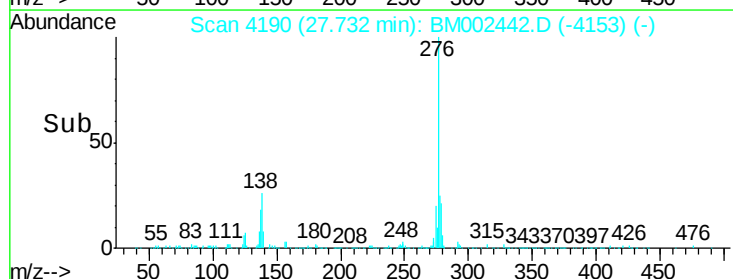
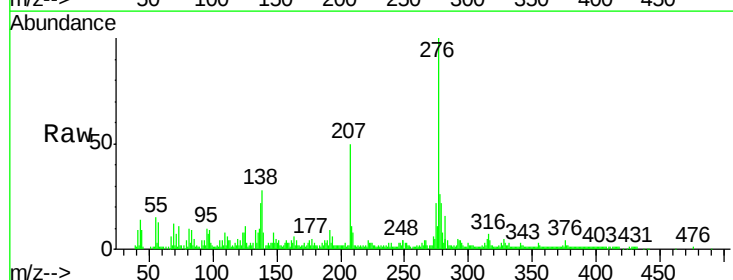
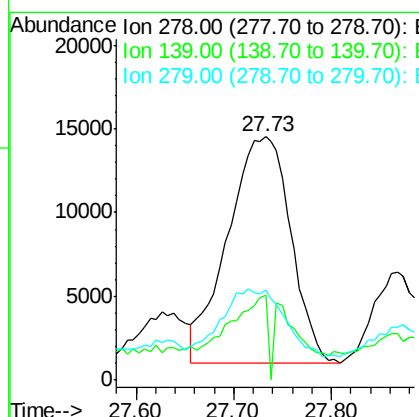
Manual Integrations
 APPROVED

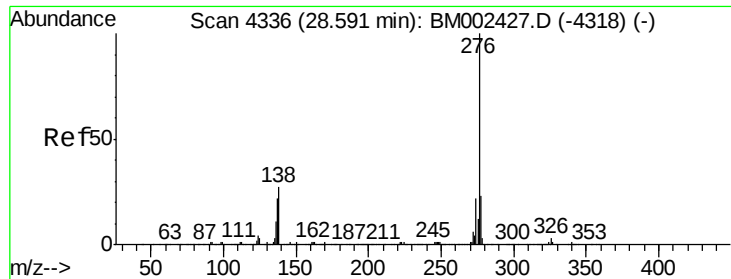
MMDadoda
 8/17/2015 2:47:39 PM



#28
 Dibenzo(a,h)anthracene
 Concen: 2.20 ng/ul
 RT: 27.73 min Scan# 4190
 Delta R.T. 0.02 min
 Lab File: BM002442.D
 Acq: 16 Aug 2015 01:42

Tgt Ion	Ratio	Resp Lower	Resp Upper
278	100		
139	34.9	16.5	24.7#
279	37.1	18.8	28.2#





#29
 Benzo(g,h,i)perylene
 Concen: 7.42 ng/ul
 RT: 28.62 min Scan# 4341
 Delta R.T. 0.03 min
 Lab File: BM002442.D
 Acq: 16 Aug 2015 01:42

Instrument :
 BNA_M
 ClientSampleId :
 D9D95

Tgt Ion	Ratio	Lower	Upper
276	100		
138	27.8	21.0	31.6
277	25.2	19.2	28.8

Manual Integrations
 APPROVED

MMDadoda
 8/17/2015 2:47:39 PM

