

Data Path : Z:\HPCHEM1\BNA M\DATA\BM070816\
 Data File : BM006340.D
 Acq On : 08 Jul 2016 04:19
 Operator : UM/SJ
 Sample : H3811-16DL 5X
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4TW4DL

Manual Integrations

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 7/8/2016 7:14:25 PM

Quant Time: Jul 08 08:39:21 2016
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM070716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 08 08:04:54 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	5913	0.40	ng/ul	0.00
4) Naphthalene-d8	10.43	136	22575	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.28	164	12354	0.40	ng/ul	-0.02
12) Phenanthrene-d10	17.04	188	26711	0.40	ng/ul	0.00
18) Chrysene-d12	21.24	240	17731	0.40	ng/ul	0.00
22) Perylene-d12	23.45	264	16145	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.17	96	899	0.36	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.02	152	882	0.03	ng/ul	0.00
16) Fluoranthene-d10	19.07	212	4183	0.07	ng/ul	0.00
Target Compounds				Ovalue		
9) Acenaphthylene	14.01	152	7413	0.18	ng/ul#	92
11) Fluorene	15.34	166	1647	0.04	ng/ul#	83
14) Phenanthrene	17.07	178	30176	0.41	ng/ul#	92
15) Anthracene	17.16	178	6934m	0.10	ng/ul	
17) Fluoranthene	19.11	202	76610	0.94	ng/ul	94
19) Pyrene	19.47	202	84995	1.14	ng/ul	95
20) Benzo(a)anthracene	21.22	228	34159	0.60	ng/ul#	90
21) Chrysene	21.27	228	39657	0.70	ng/ul	96
23) Benzo(b)fluoranthene	22.78	252	47465m	0.82	ng/ul	
24) Benzo(k)fluoranthene	22.83	252	11093m	0.21	ng/ul	
25) Benzo(a)pyrene	23.35	252	31219	0.58	ng/ul	100
26) Indeno(1,2,3-cd)pyrene	25.66	276	23439	0.39	ng/ul#	93
27) Dibenzo(a,h)anthracene	25.67	278	5440	0.12	ng/ul#	65
28) Benzo(g,h,i)perylene	26.34	276	19783	0.39	ng/ul	95

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

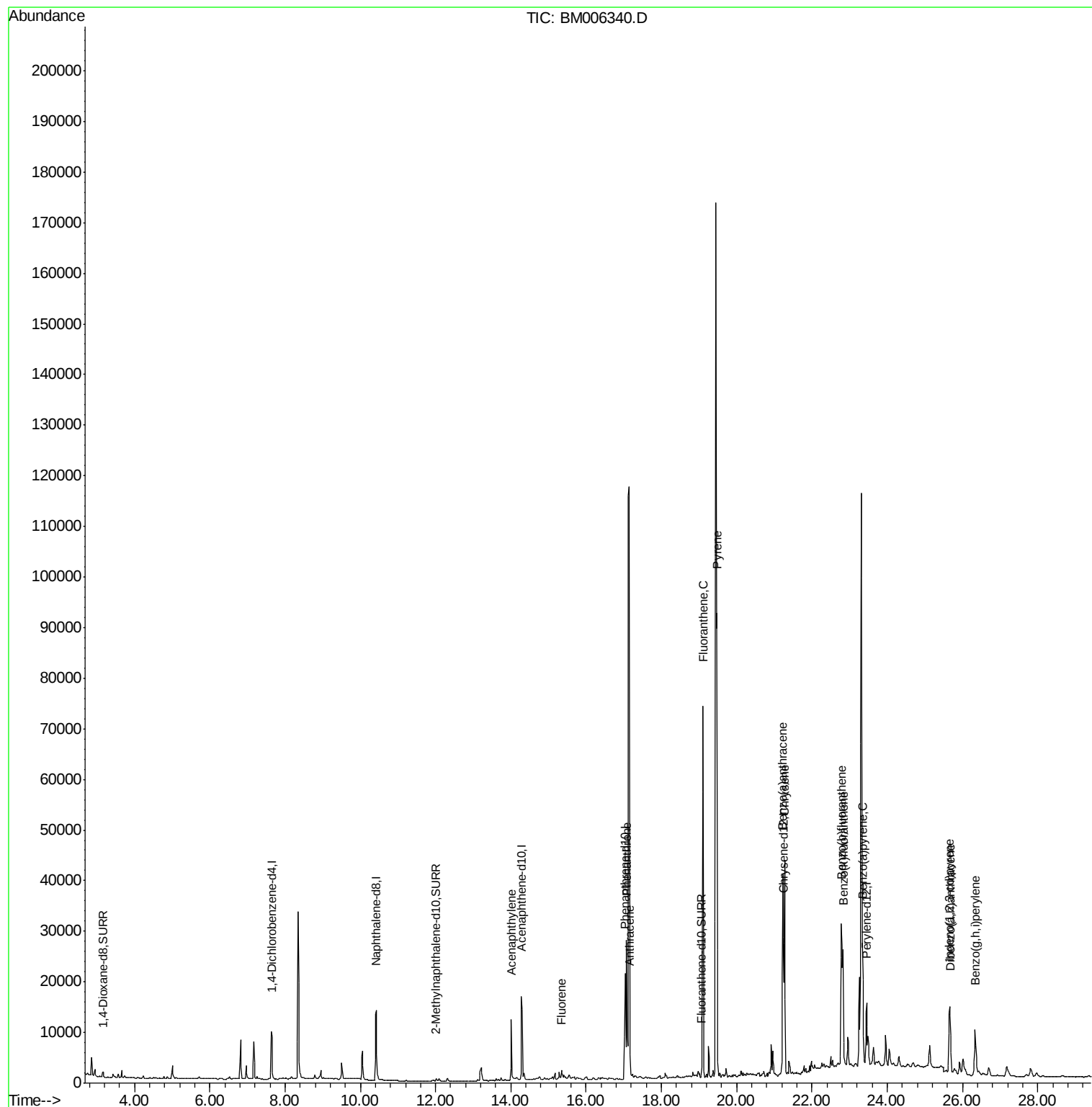
Data Path : Z:\HPCHEM1\BNA M\DATA\BM070816\
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ALS Vial : 30 Sample Multiplier: 1

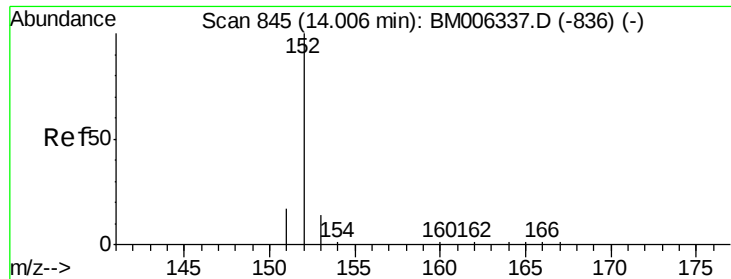
Instrument :
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Quant Time: Jul 08 08:39:21 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM070716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 08 08:04:54 2016
Response via : Initial Calibration





#9

Acenaphthylene

Concen: 0.18 ng/ul

RT: 14.01 min Scan# 845

Delta R.T. 0.00 min

Lab File: BM006340.D

Acq: 08 Jul 2016 04:19

Instrument :

BNA_M

ClientSampleId :

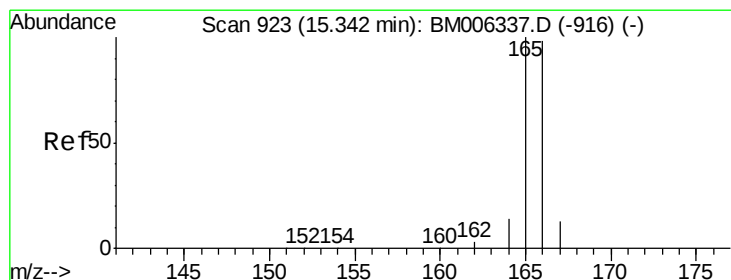
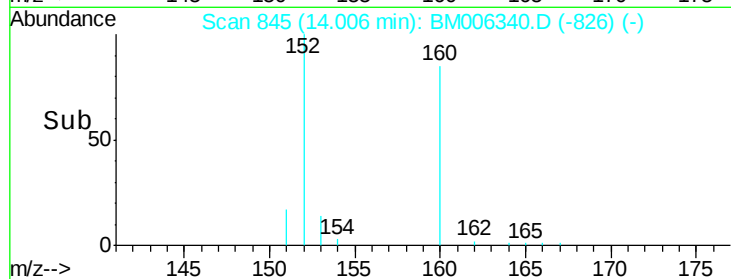
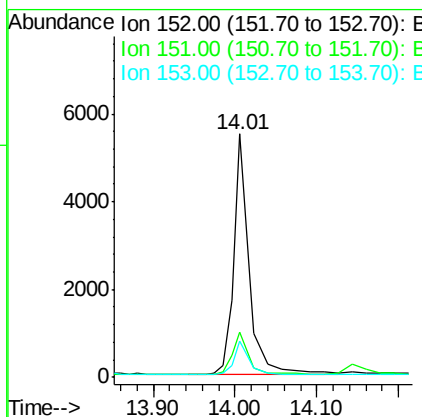
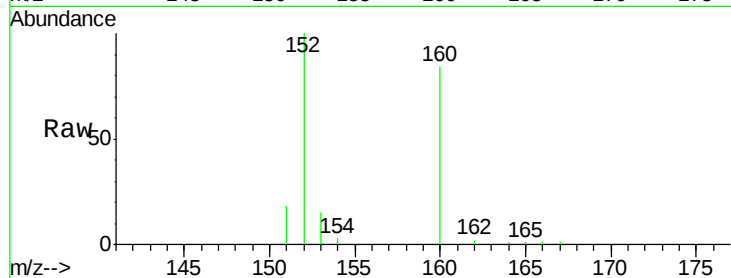
A4TW4DL

Tot Ion:	152	Resp:	7413
Ion	Ratio	Lower	Upper
152	100		
151	18.5	17.6	26.4
153	15.1	9.7	14.5#

Manual Integrations

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#11

Fluorene

Concen: 0.04 ng/ul

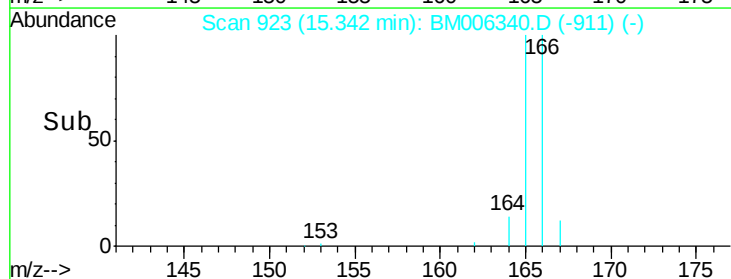
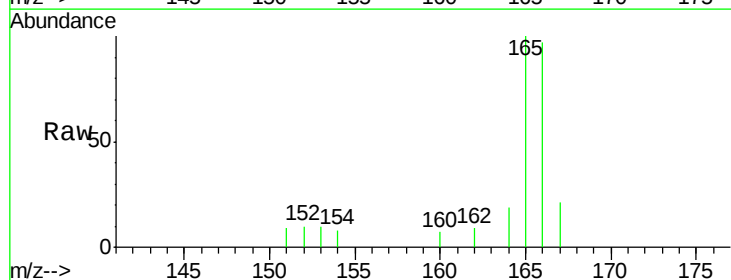
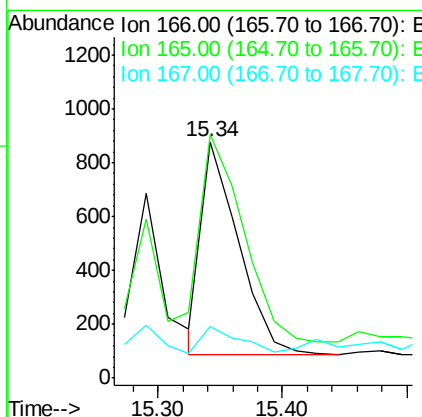
RT: 15.34 min Scan# 923

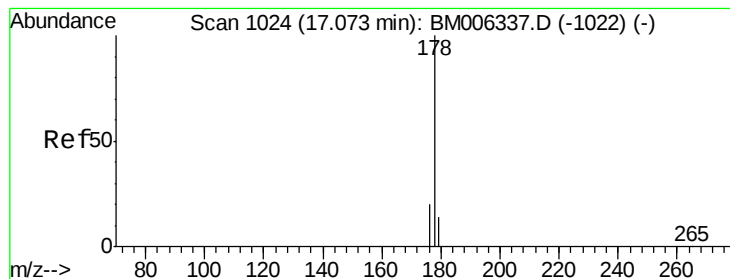
Delta R.T. 0.00 min

Lab File: BM006340.D

Acq: 08 Jul 2016 04:19

Tgt Ion:	166	Resp:	1647
Ion	Ratio	Lower	Upper
166	100		
165	103.1	69.6	104.4
167	21.8	11.9	17.9#





#14

Phenanthrene

Concen: 0.41 ng/ul

RT: 17.07 min Scan# 1024

Delta R.T. 0.00 min

Lab File: BM006340.D

Acq: 08 Jul 2016 04:19

Instrument :

BNA_M

ClientSampleId :

A4TW4DL

Tot Ion:178 Resp: 30176

Ion Ratio Lower Upper

178 100

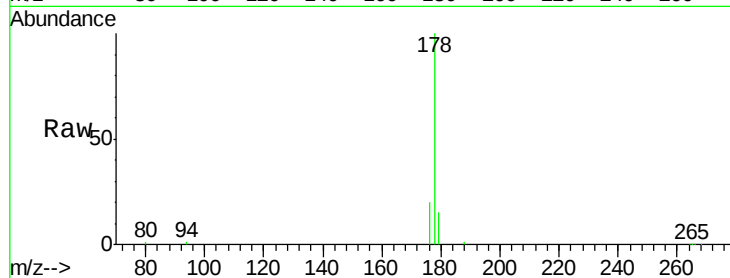
176 20.2 13.0 19.4#

179 15.1 14.2 21.2

Manual Integrations

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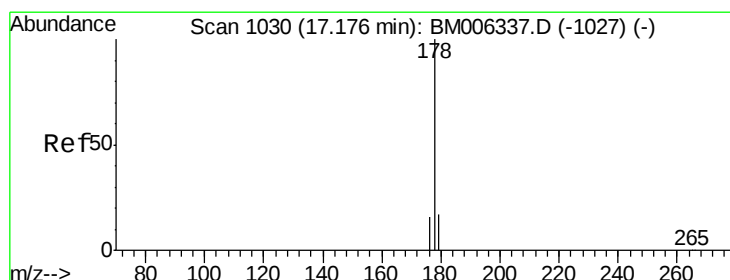
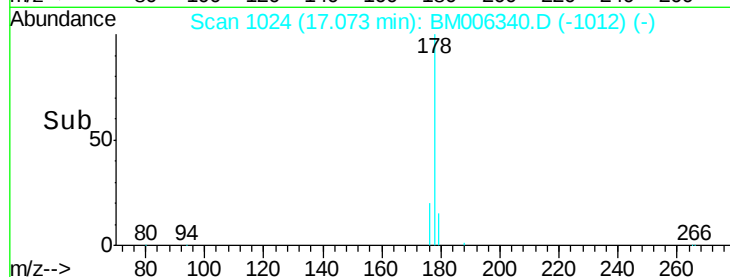
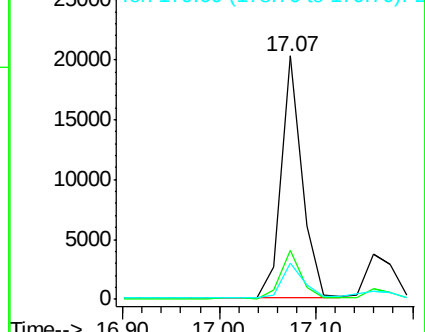
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#15

Anthracene

Concen: 0.10 ng/ul m

RT: 17.16 min Scan# 1029

Delta R.T. -0.02 min

Lab File: BM006340.D

Acq: 08 Jul 2016 04:19

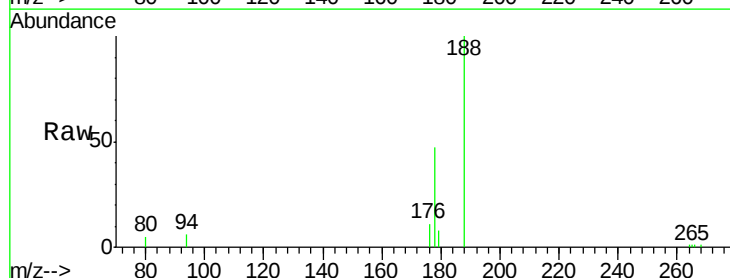
Tgt Ion:178 Resp: 6934

Ion Ratio Lower Upper

178 100

176 22.9 14.0 21.0#

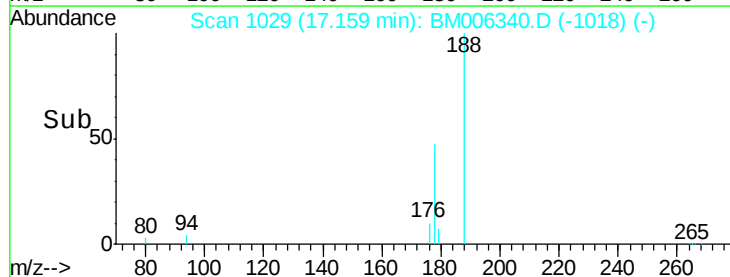
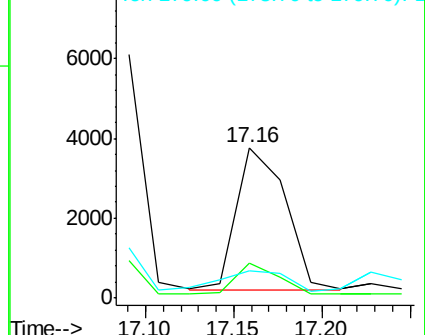
179 17.8 12.9 19.3

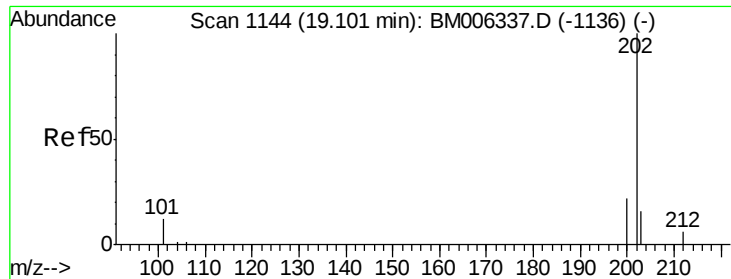


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





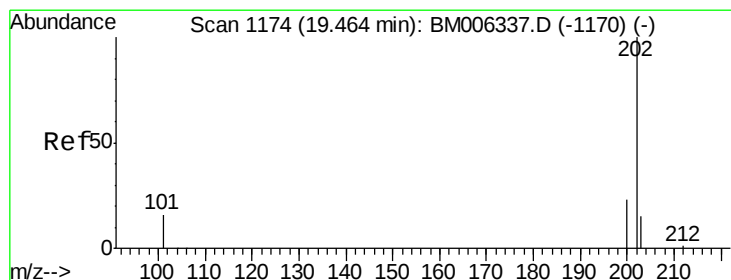
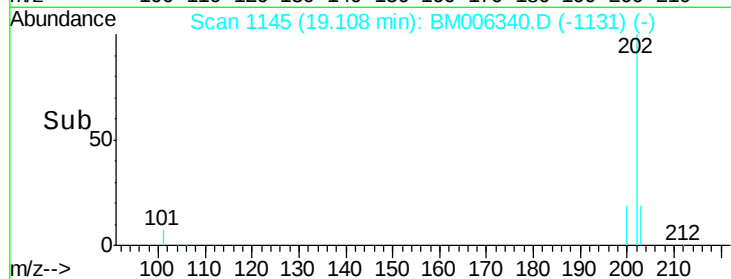
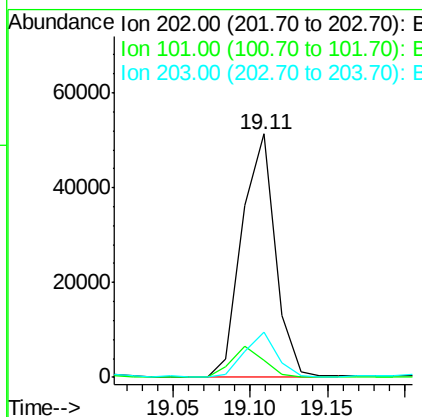
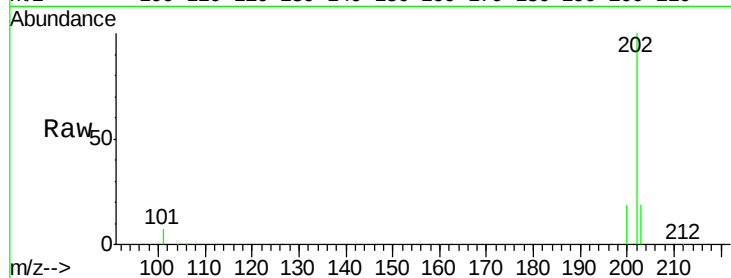
#17
Fluoranthene
Concen: 0.94 ng/ul
RT: 19.11 min Scan# 1145
Delta R.T. 0.01 min
Lab File: BM006340.D
Acq: 08 Jul 2016 04:19

Instrument :
BNA_M
ClientSampleId :
A4TW4DL

Tot Ion	Ratio	Resp	Lower	Upper
202	100	76610		
101	6.8		0.0	29.6
203	18.7		0.0	36.3

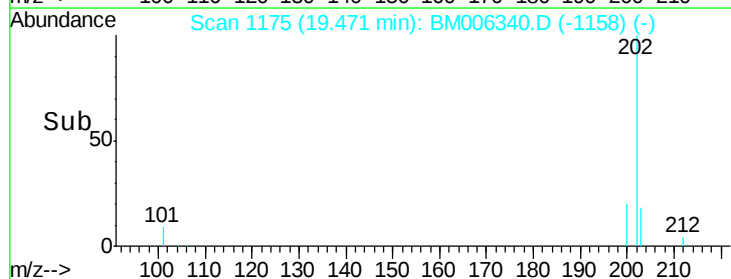
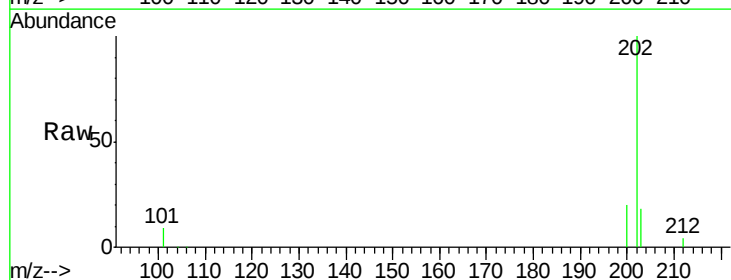
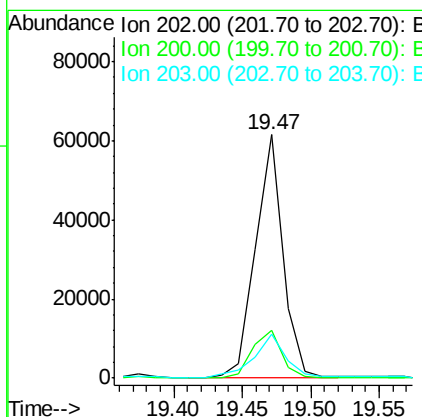
Manual Integrations

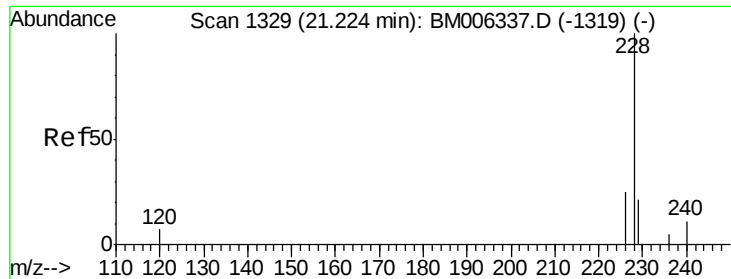
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#19
Pyrene
Concen: 1.14 ng/ul
RT: 19.47 min Scan# 1175
Delta R.T. 0.01 min
Lab File: BM006340.D
Acq: 08 Jul 2016 04:19

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	84995		
200	19.7		17.8	26.8
203	18.2		12.8	19.2





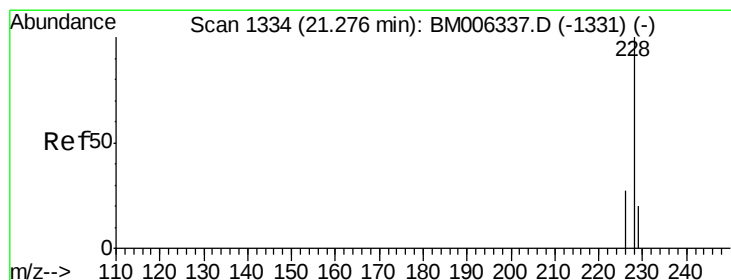
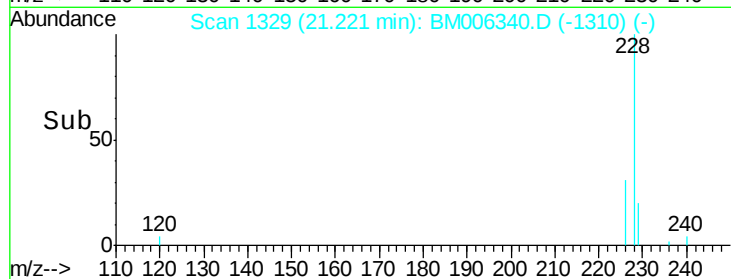
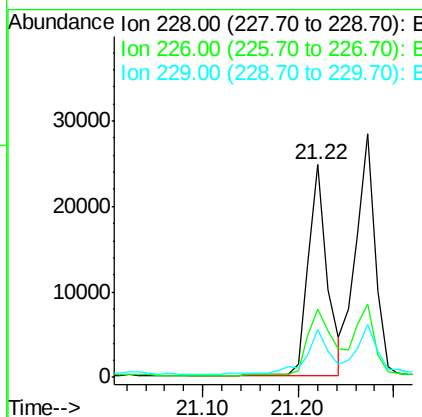
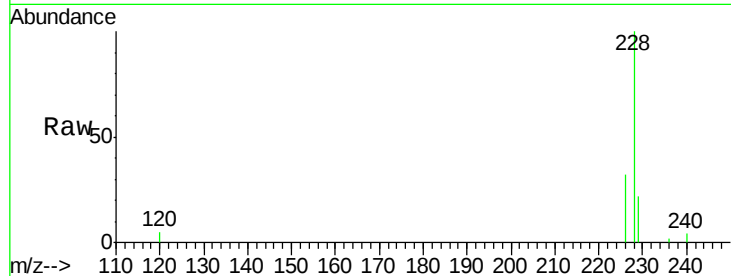
#20
Benzo(a)anthracene
Concen: 0.60 ng/ul
RT: 21.22 min Scan# 1329
Delta R.T. -0.00 min
Lab File: BM006340.D
Acq: 08 Jul 2016 04:19

Instrument :
BNA_M
ClientSampleId :
A4TW4DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.0	18.8	28.2
229	22.3	17.1	25.7

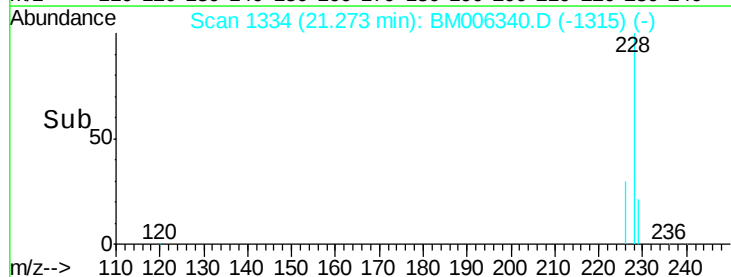
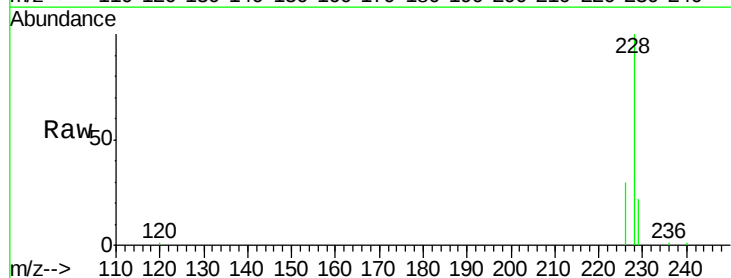
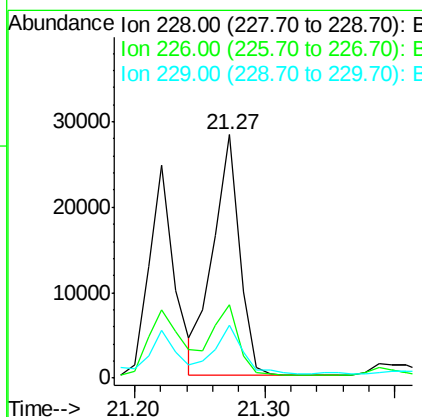
Manual Integrations

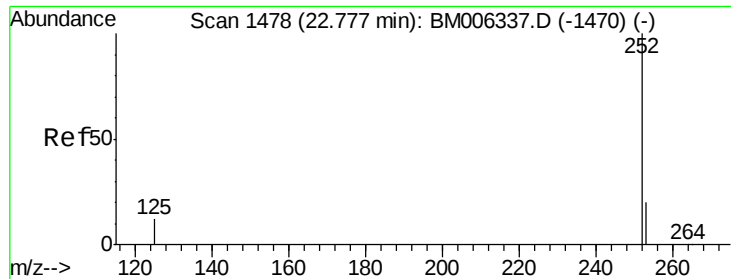
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#21
Chrysene
Concen: 0.70 ng/ul
RT: 21.27 min Scan# 1334
Delta R.T. -0.00 min
Lab File: BM006340.D
Acq: 08 Jul 2016 04:19

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	21.2	31.8
229	21.8	17.0	25.6





#23

Benzo(b)fluoranthene

Concen: 0.82 ng/ul m

RT: 22.78 min Scan# 1479

Delta R.T. 0.01 min

Lab File: BM006340.D

Acq: 08 Jul 2016 04:19

Instrument :

BNA_M

ClientSampleId :

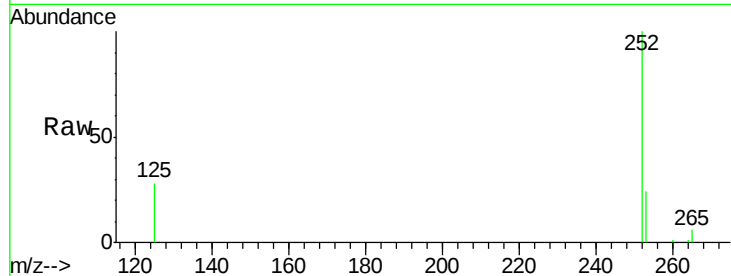
A4TW4DL

Tot Ion:	252	Resp:	47465
Ion Ratio	Lower	Upper	
252	100		
253	24.1	0.0	45.4
125	27.5	0.0	28.8

Manual Integrations

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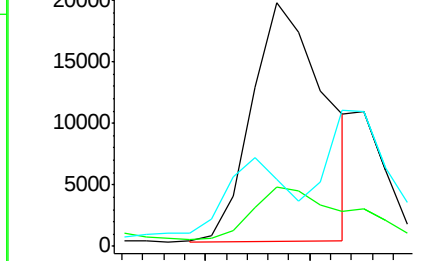
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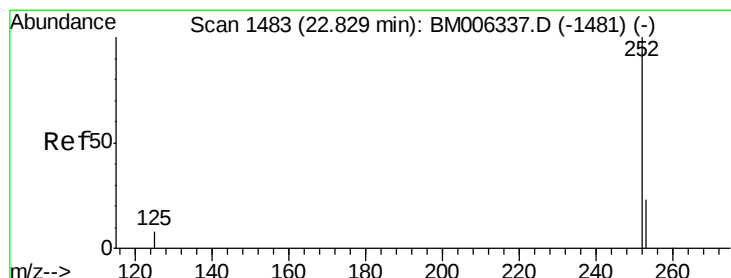
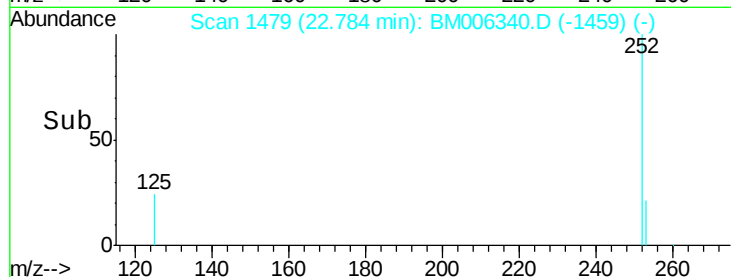
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->



#24

Benzo(k)fluoranthene

Concen: 0.21 ng/ul m

RT: 22.83 min Scan# 1483

Delta R.T. -0.00 min

Lab File: BM006340.D

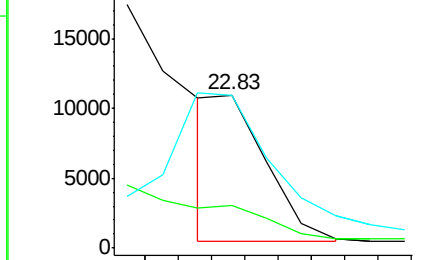
Acq: 08 Jul 2016 04:19

Tgt Ion:	252	Resp:	11093
Ion Ratio	Lower	Upper	
252	100		
253	27.5	19.8	29.8
125	100.1	10.4	15.6#

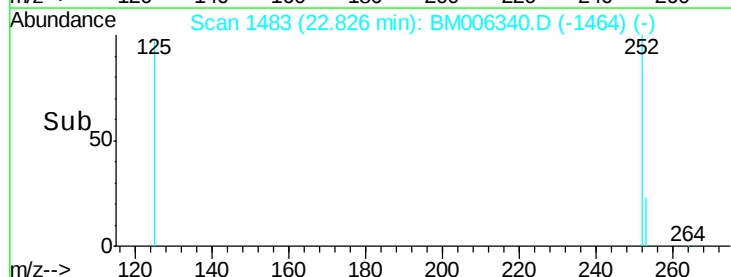
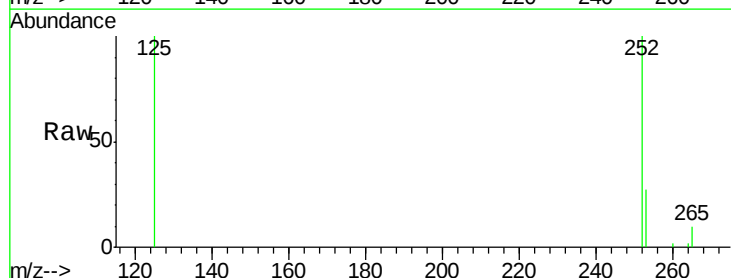
Abundance Ion 252.00 (251.70 to 252.70): E

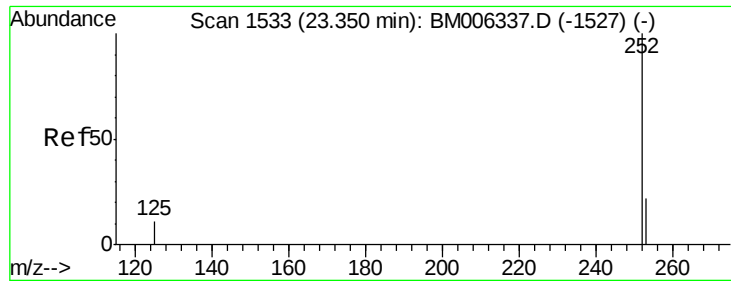
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->





#25

Benzo(a)pyrene

Concen: 0.58 ng/ul

RT: 23.35 min Scan# 1533

Delta R.T. -0.00 min

Lab File: BM006340.D

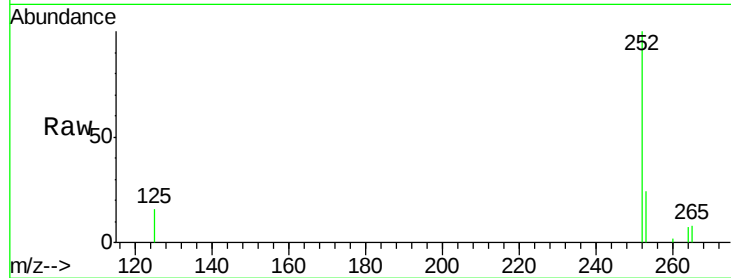
Acq: 08 Jul 2016 04:19

Instrument :

BNA_M

ClientSampleId :

A4TW4DL

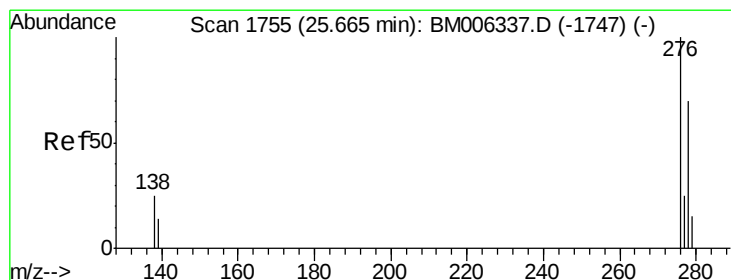
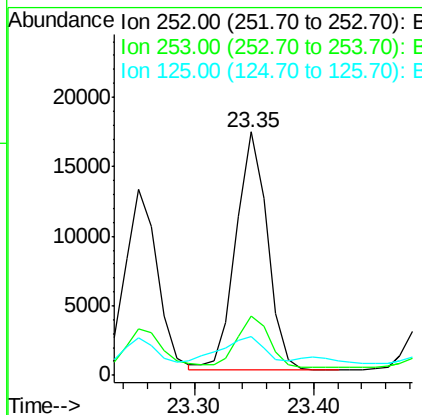
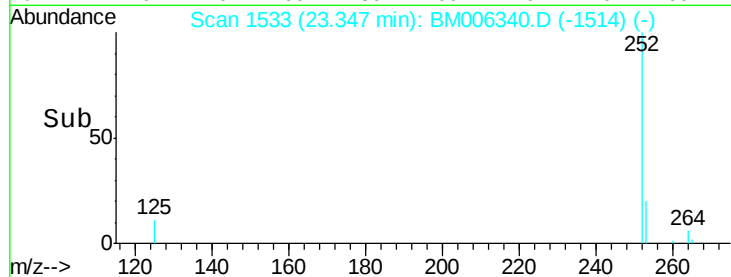


Tot Ion:	252	Resp:	31219
Ion Ratio	Lower	Upper	
252	100		
253	24.5	19.4	29.2
125	16.0	12.7	19.1

Manual Integrations

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#26

Indeno(1,2,3-cd)pyrene

Concen: 0.39 ng/ul

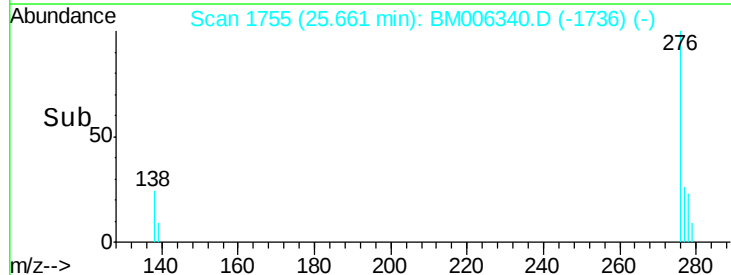
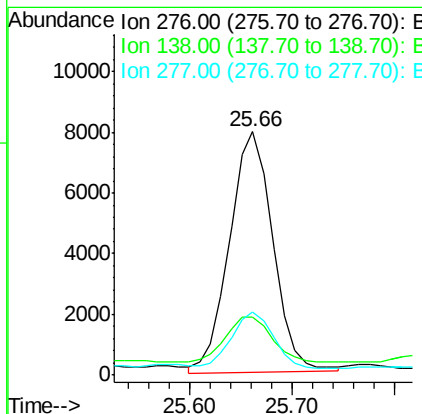
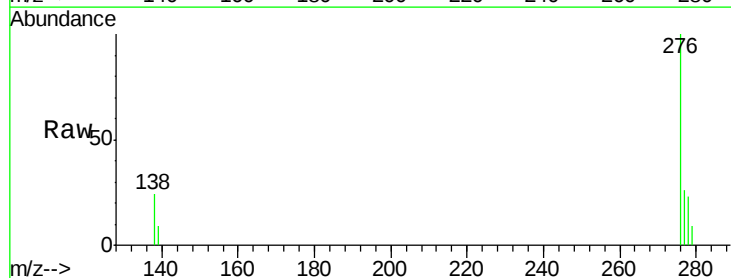
RT: 25.66 min Scan# 1755

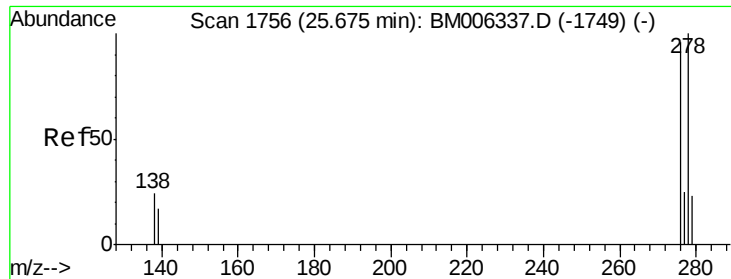
Delta R.T. -0.00 min

Lab File: BM006340.D

Acq: 08 Jul 2016 04:19

Tgt Ion:	276	Resp:	23439
Ion Ratio	Lower	Upper	
276	100		
138	26.0	16.3	24.5#
277	26.3	19.8	29.8





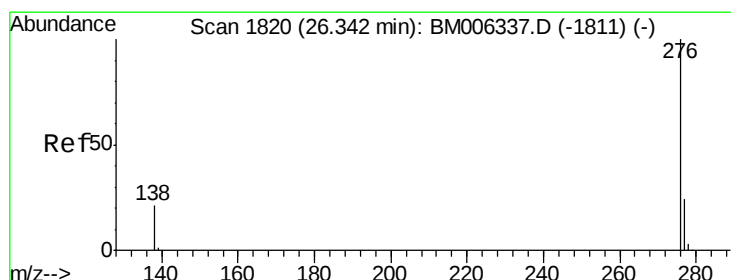
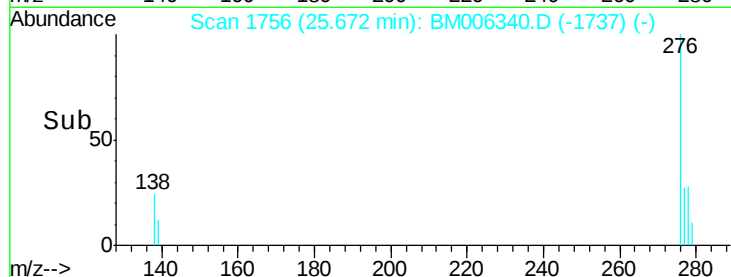
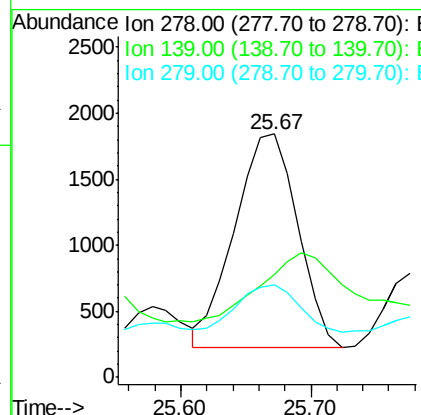
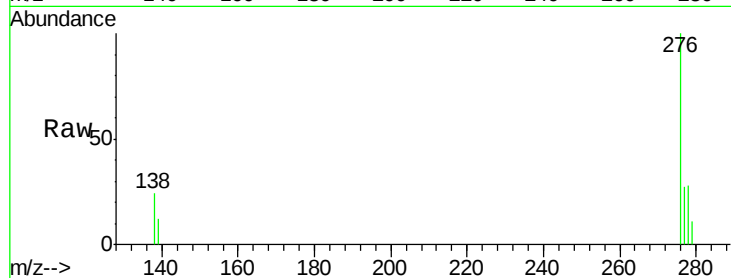
#27
Dibenzo(a,h)anthracene
Concen: 0.12 ng/ul
RT: 25.67 min Scan# 1756
Delta R.T. -0.00 min
Lab File: BM006340.D
Acq: 08 Jul 2016 04:19

Instrument :
BNA_M
ClientSampled :
A4TW4DL

Tot Ion:278 Resp: 5440
Ion Ratio Lower Upper
278 100
139 42.5 16.4 24.6#
279 38.2 20.2 30.2#

Manual Integrations

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#28
Benzo(g,h,i)perylene
Concen: 0.39 ng/ul
RT: 26.34 min Scan# 1820
Delta R.T. -0.00 min
Lab File: BM006340.D
Acq: 08 Jul 2016 04:19

Tgt Ion:276 Resp: 19783
Ion Ratio Lower Upper
276 100
277 25.6 18.9 28.3
138 25.2 22.5 33.7

