

Data Path : Z:\HPCHEM1\BNA M\DATA\BM070816\
 Data File : BM006335.D
 Acq On : 08 Jul 2016 00:43
 Operator : UM/SJ
 Sample : H3811-15
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4TW3

Manual Integrations
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Quant Time: Jul 08 07:52:09 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 03:28:13 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	5028	0.40	ng/ul	0.00
4) Naphthalene-d8	10.43	136	20035	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.30	164	11653	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.04	188	23605m	0.40	ng/ul	0.00
18) Chrysene-d12	21.24	240	14775m	0.40	ng/ul	0.00
22) Perylene-d12	23.45	264	14565	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.17	96	9855	4.64	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.02	152	7764	0.33	ng/ul	0.00
16) Fluoranthene-d10	19.07	212	15752	0.32	ng/ul	-0.01
Target Compounds				Ovalue		
5) Naphthalene	10.46	128	11818	0.25	ng/ul	97
7) 2-Methylnaphthalene	12.09	142	6284	0.20	ng/ul	100
9) Acenaphthylene	14.01	152	60774	1.55	ng/ul	92
10) Acenaphthene	14.35	153	5893	0.15	ng/ul	89
11) Fluorene	15.34	166	24257m	0.55	ng/ul	
14) Phenanthrene	17.07	178	388843m	5.96	ng/ul	
15) Anthracene	17.16	178	84242m	1.39	ng/ul	
17) Fluoranthene	19.11	202	603410m	8.38	ng/ul	
19) Pyrene	19.47	202	799339	12.92	ng/ul	97
20) Benzo(a)anthracene	21.22	228	362076m	7.57	ng/ul	
21) Chrysene	21.27	228	363462	7.75	ng/ul	97
23) Benzo(b)fluoranthene	22.78	252	318074m	6.10	ng/ul	
24) Benzo(k)fluoranthene	22.82	252	77226m	1.59	ng/ul	
25) Benzo(a)pyrene	23.35	252	260296m	5.36	ng/ul	
26) Indeno(1,2,3-cd)pyrene	25.66	276	148219	2.75	ng/ul	97
27) Dibenzo(a,h)anthracene	25.66	278	44731	1.06	ng/ul	97
28) Benzo(g,h,i)perylene	26.34	276	136765	3.00	ng/ul#	94

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

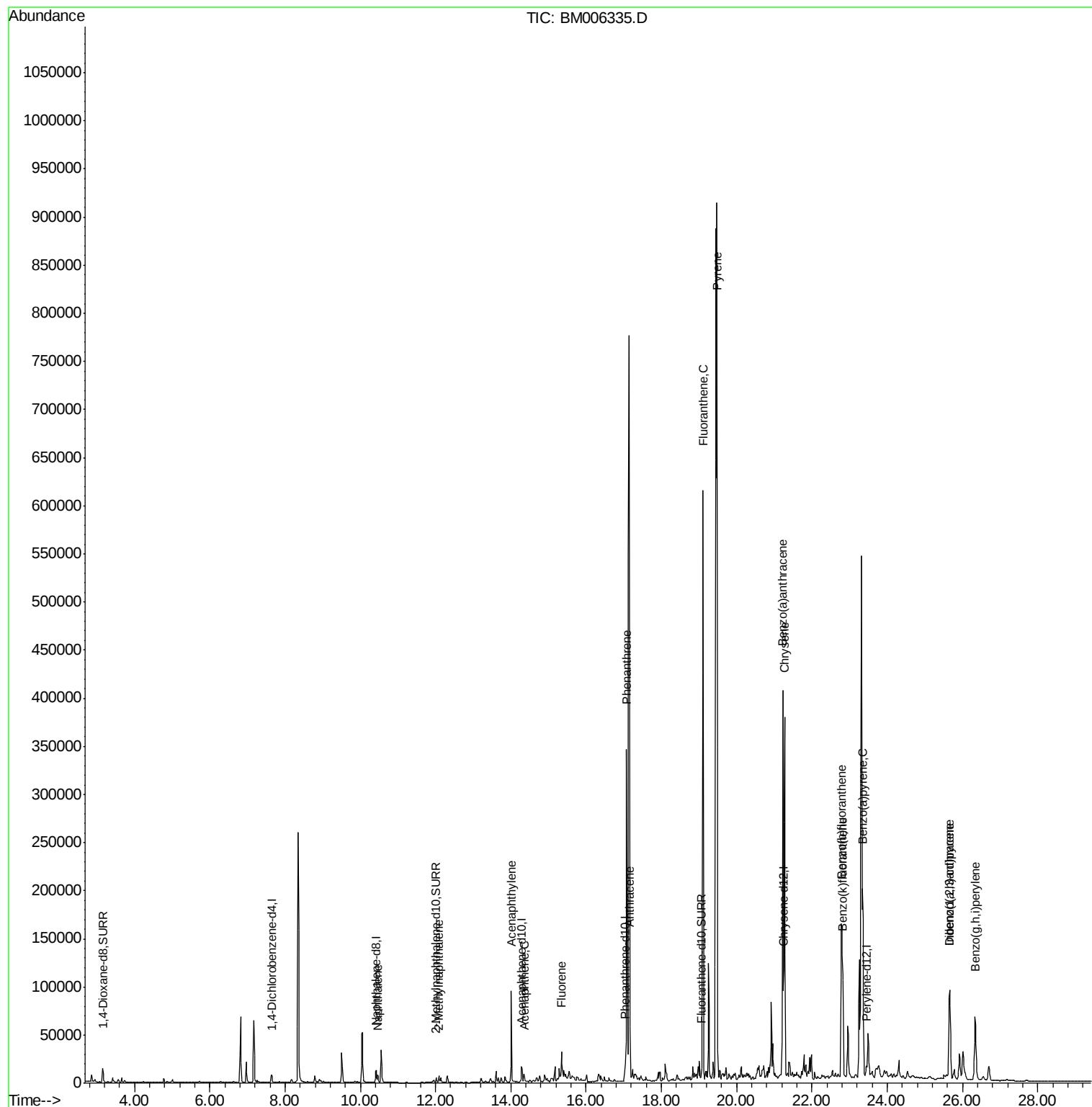
Data Path : Z:\HPCHEM1\BNA M\DATA\BM070816\
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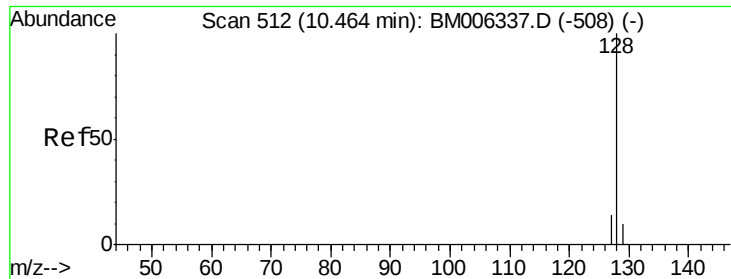
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 08 03:28:13 2016
Response via : Initial Calibration





#5

Naphthalene

Concen: 0.25 ng/ul

RT: 10.46 min Scan# 512

Delta R.T. -0.01 min

Lab File: BM006335.D

Acq: 08 Jul 2016 00:43

Instrument :

BNA_M

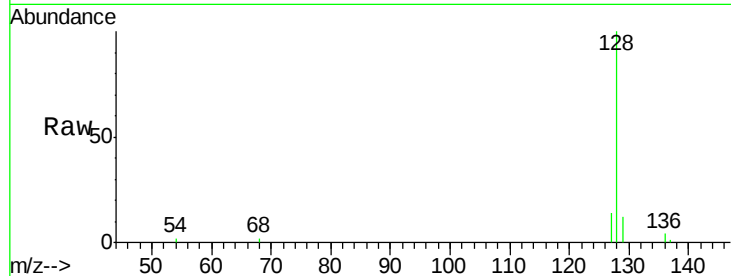
ClientSampleId :

A4TW3

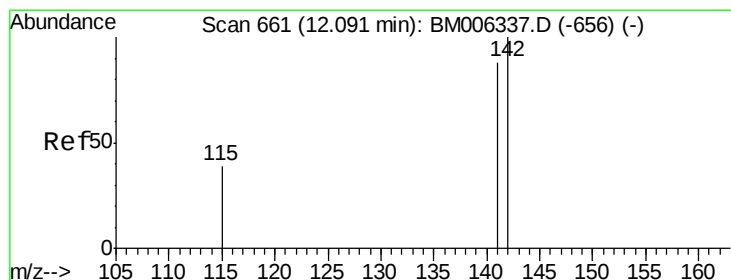
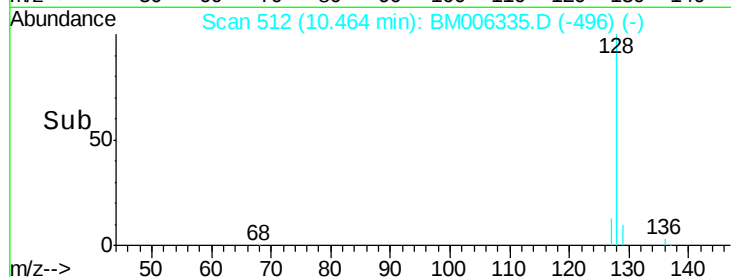
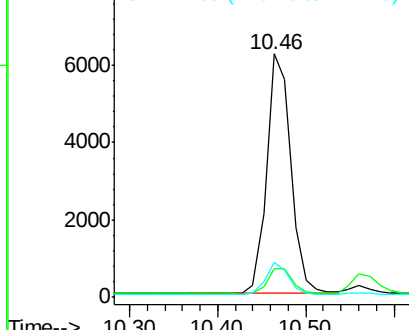
Tot Ion:	128	Resp:	11818
Ion Ratio	Lower	Upper	
128	100		
129	11.6	9.0	13.6
127	14.3	9.6	14.4

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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



#7

2-Methylnaphthalene

Concen: 0.20 ng/ul

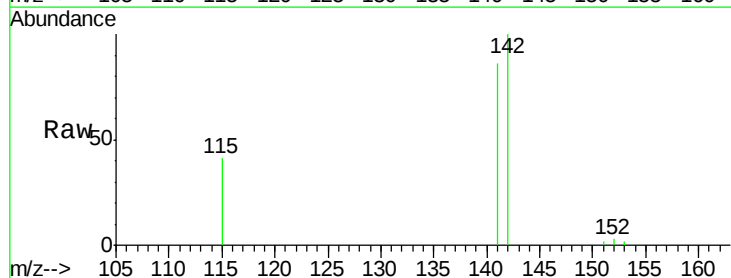
RT: 12.09 min Scan# 661

Delta R.T. 0.00 min

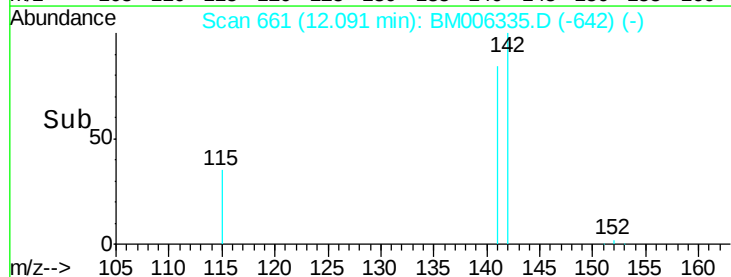
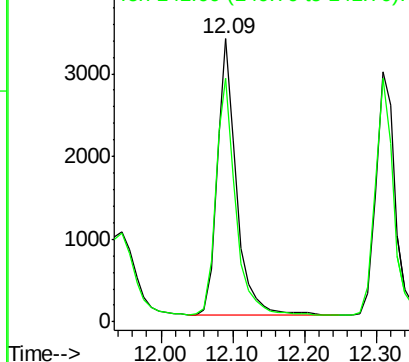
Lab File: BM006335.D

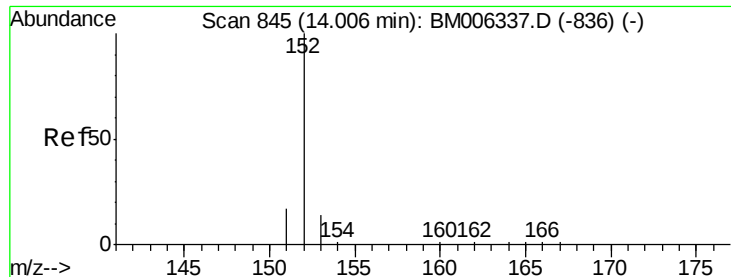
Acq: 08 Jul 2016 00:43

Tgt Ion:	142	Resp:	6284
Ion Ratio	Lower	Upper	
142	100		
141	87.7	70.3	105.5



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





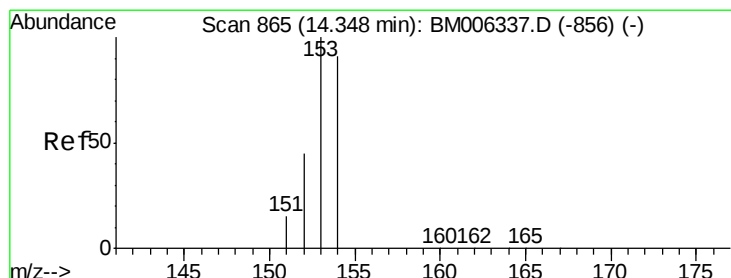
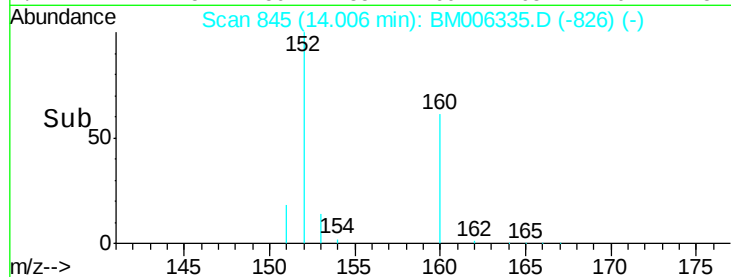
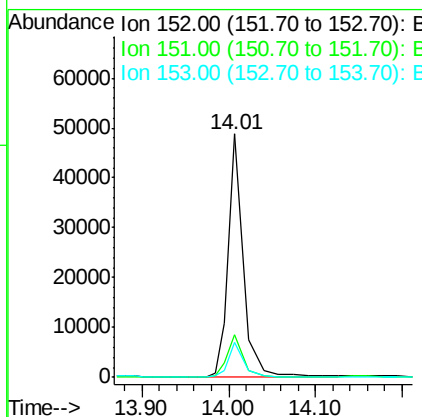
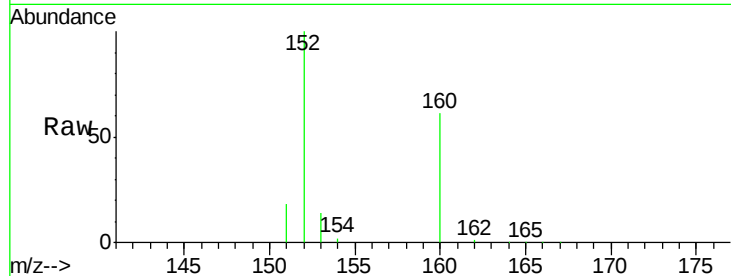
#9
Acenaphthylene
Concen: 1.55 ng/ul
RT: 14.01 min Scan# 845
Delta R.T. 0.00 min
Lab File: BM006335.D
Acq: 08 Jul 2016 00:43

Instrument :
BNA_M
ClientSampleId :
A4TW3

Tot Ion	Ratio	Lower	Upper
152	100		
151	17.7	17.6	26.4
153	14.4	9.7	14.5

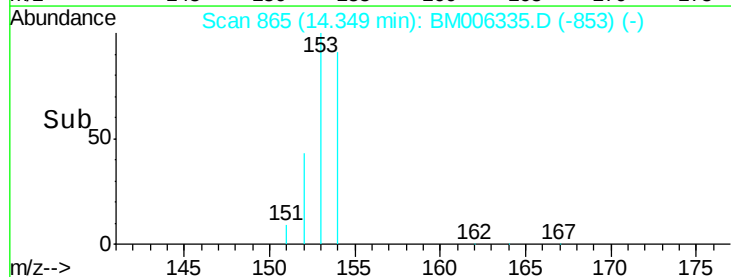
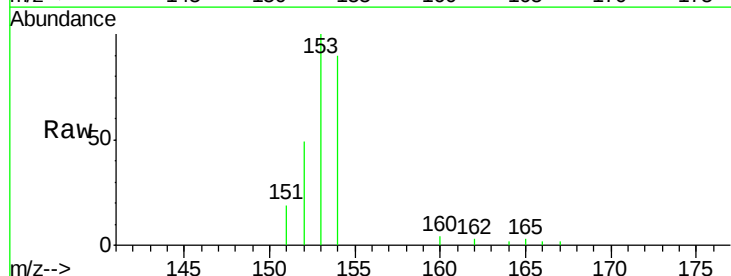
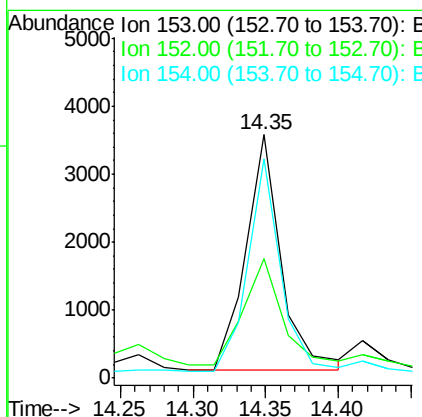
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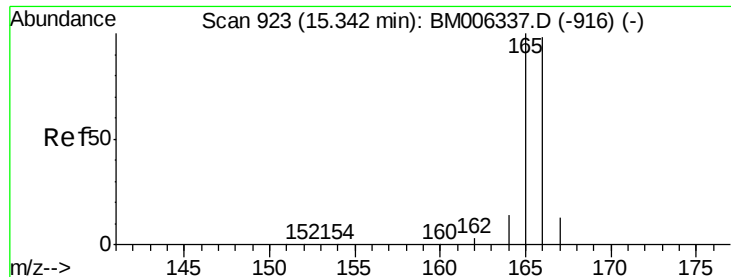
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#10
Acenaphthene
Concen: 0.15 ng/ul
RT: 14.35 min Scan# 865
Delta R.T. 0.00 min
Lab File: BM006335.D
Acq: 08 Jul 2016 00:43

Tgt Ion	Ratio	Lower	Upper
153	100		
152	48.9	33.9	50.9
154	90.1	80.6	121.0





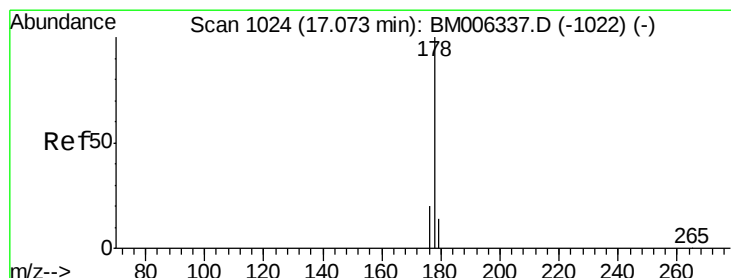
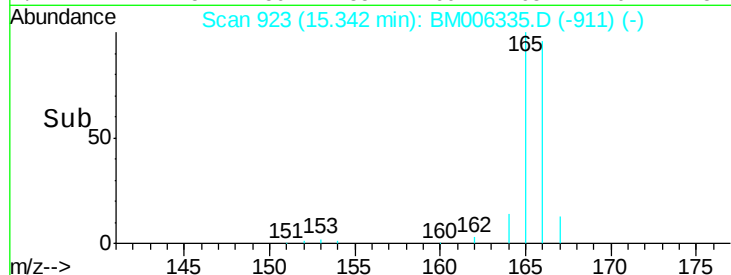
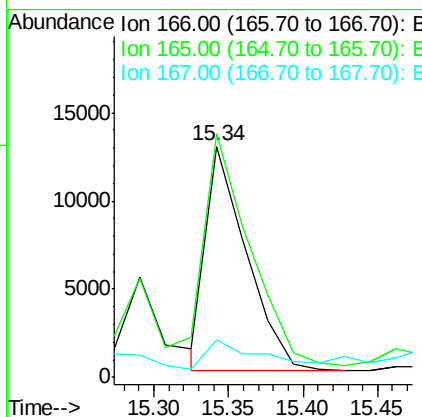
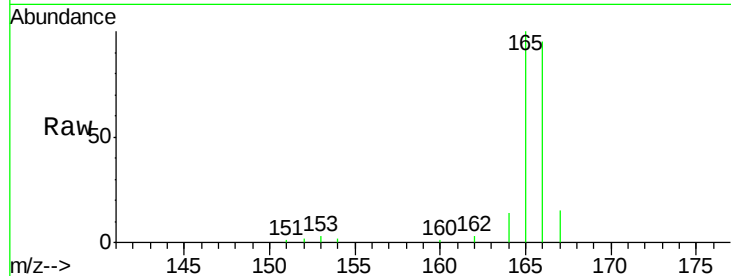
#11
Fluorene
Concen: 0.55 ng/ul m
RT: 15.34 min Scan# 923
Delta R.T. 0.00 min
Lab File: BM006335.D
Acq: 08 Jul 2016 00:43

Instrument :
BNA_M
ClientSampleId :
A4TW3

Tot Ion:166 Resp: 24257
Ion Ratio Lower Upper
166 100
165 105.4 69.6 104.4#
167 16.1 11.9 17.9

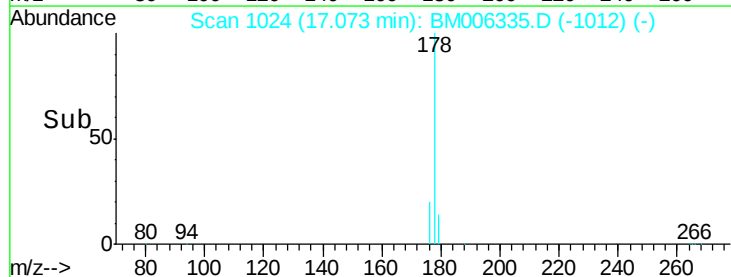
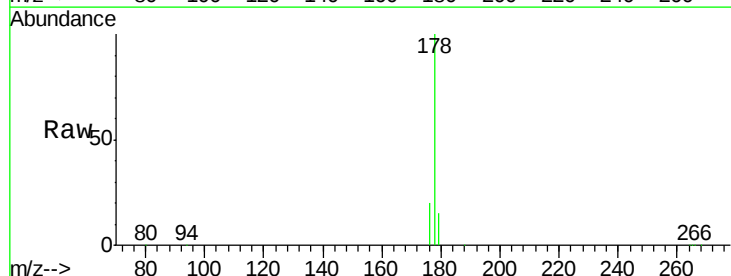
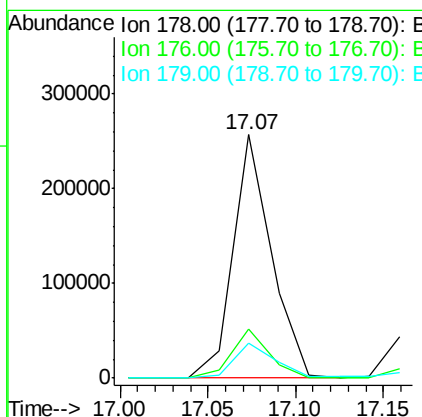
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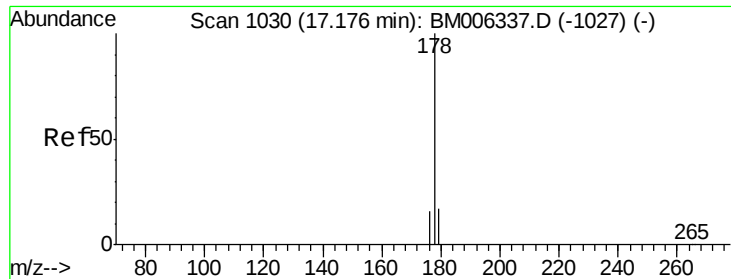
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#14
Phenanthrene
Concen: 5.96 ng/ul m
RT: 17.07 min Scan# 1024
Delta R.T. 0.00 min
Lab File: BM006335.D
Acq: 08 Jul 2016 00:43

Tgt Ion:178 Resp: 388843
Ion Ratio Lower Upper
178 100
176 20.0 13.0 19.4#
179 14.6 14.2 21.2





#15

Anthracene

Concen: 1.39 ng/ul m

RT: 17.16 min Scan# 1029

Delta R.T. -0.02 min

Lab File: BM006335.D

Acq: 08 Jul 2016 00:43

Instrument :

BNA_M

ClientSampled :

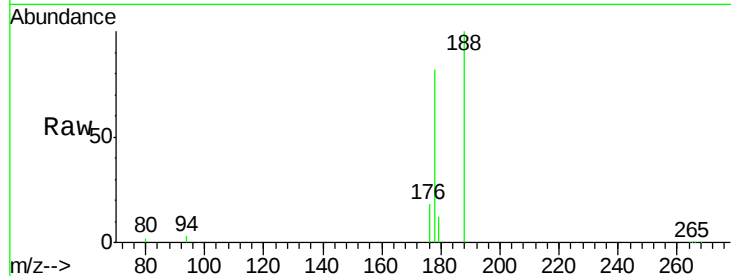
A4TW3

Tot Ion:178 Resp: 84242

Ion	Ratio	Lower	Upper
178	100		
176	22.1	14.0	21.0#
179	14.3	12.9	19.3

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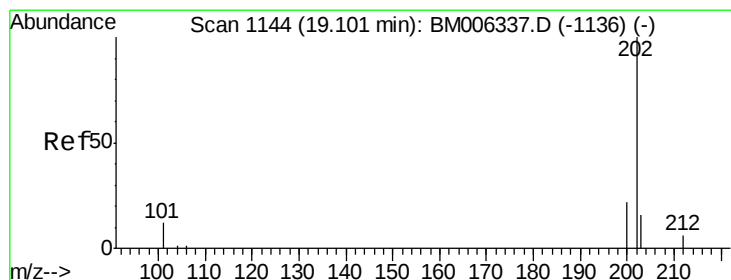
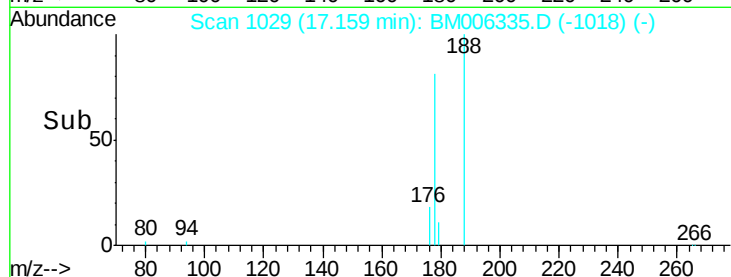
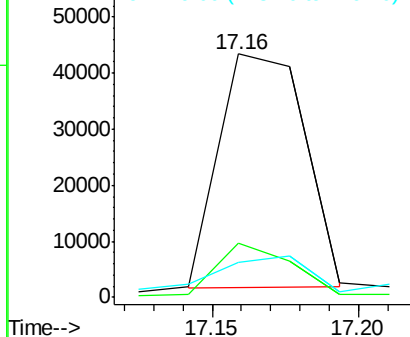
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#17

Fluoranthene

Concen: 8.38 ng/ul m

RT: 19.11 min Scan# 1145

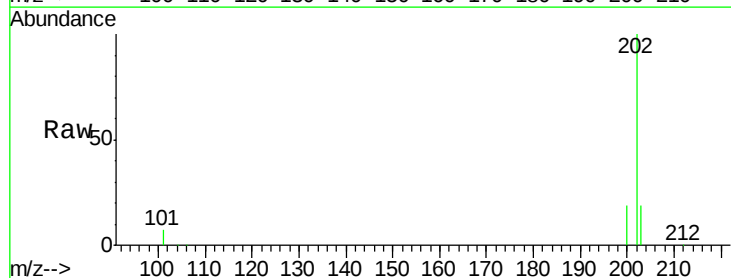
Delta R.T. 0.00 min

Lab File: BM006335.D

Acq: 08 Jul 2016 00:43

Tgt Ion:202 Resp: 603410

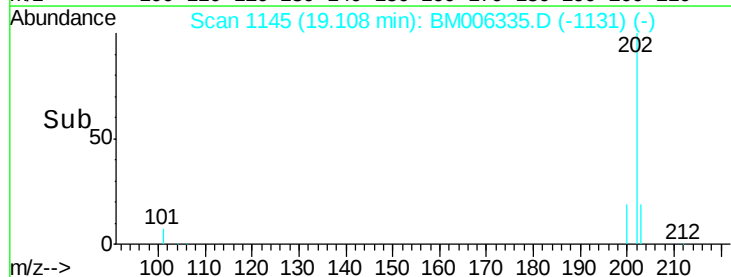
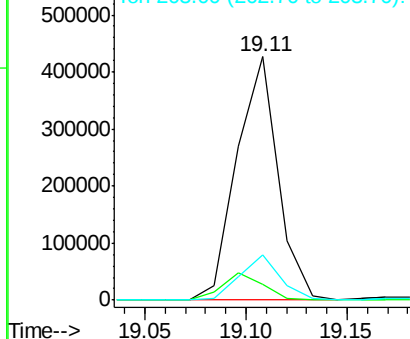
Ion	Ratio	Lower	Upper
202	100		
101	6.7	0.0	29.6
203	18.6	0.0	36.3

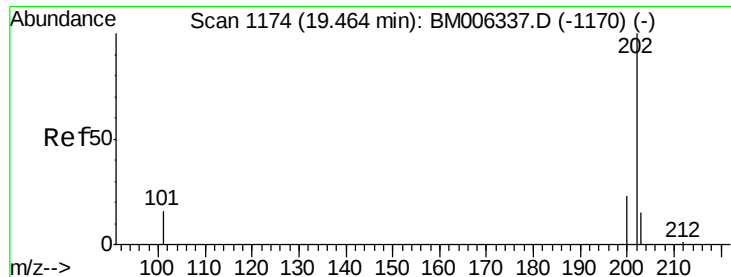


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





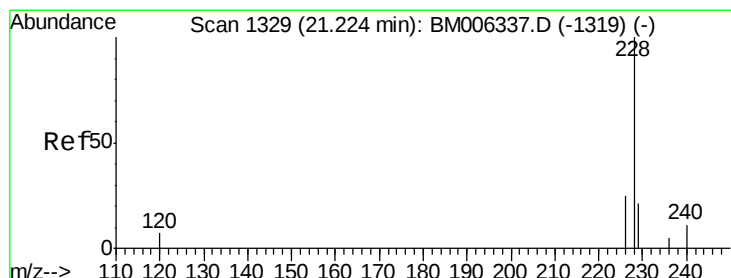
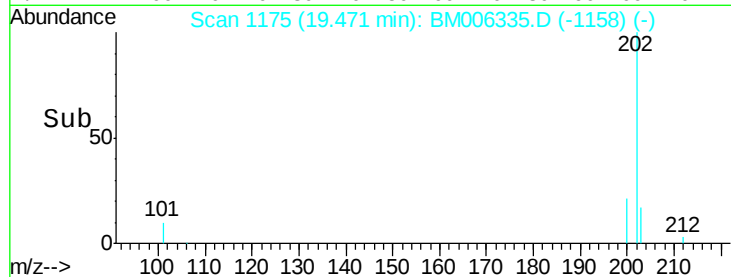
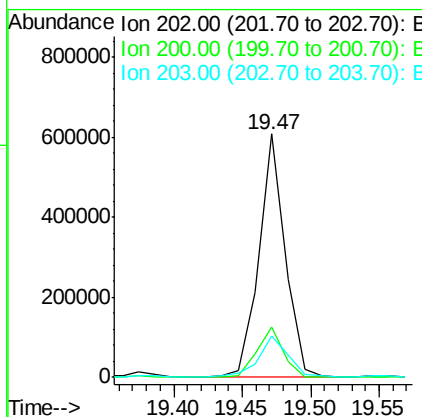
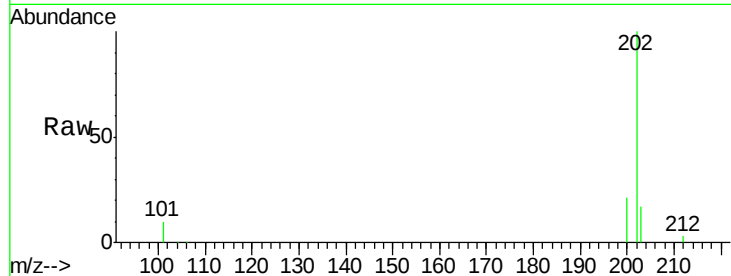
#19
Pvrene
Concen: 12.92 ng/ul
RT: 19.47 min Scan# 1175
Delta R.T. 0.00 min
Lab File: BM006335.D
Acq: 08 Jul 2016 00:43

Instrument :
BNA_M
ClientSampleId :
A4TW3

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.8	26.8
203	17.0	12.8	19.2

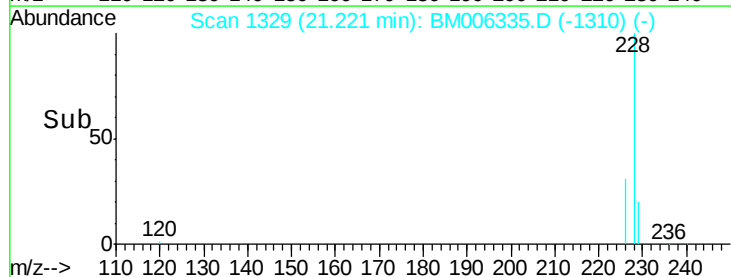
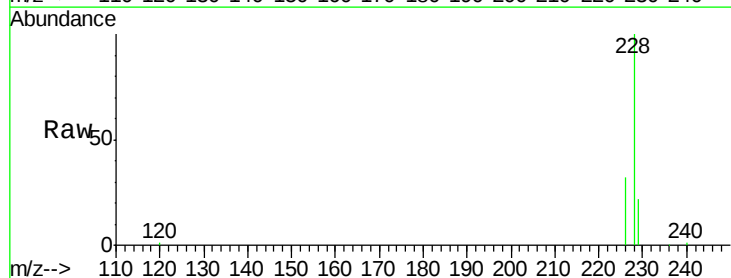
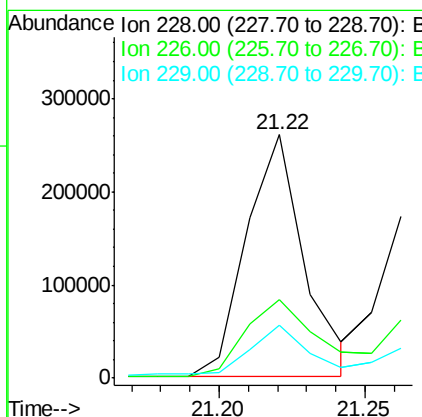
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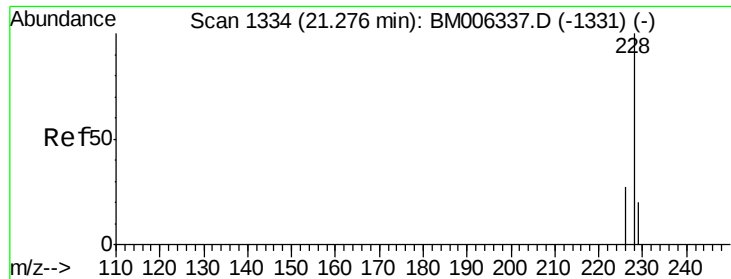
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#20
Benzo(a)anthracene
Concen: 7.57 ng/ul m
RT: 21.22 min Scan# 1329
Delta R.T. 0.00 min
Lab File: BM006335.D
Acq: 08 Jul 2016 00:43

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.1	18.8	28.2#
229	21.8	17.1	25.7





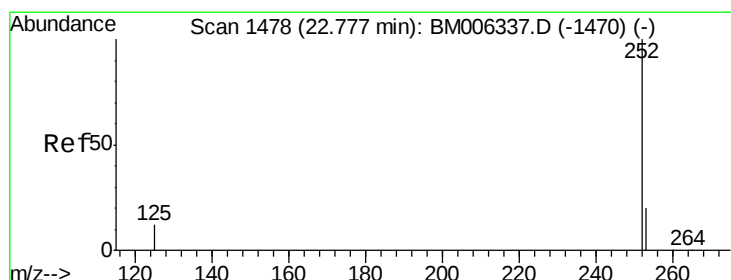
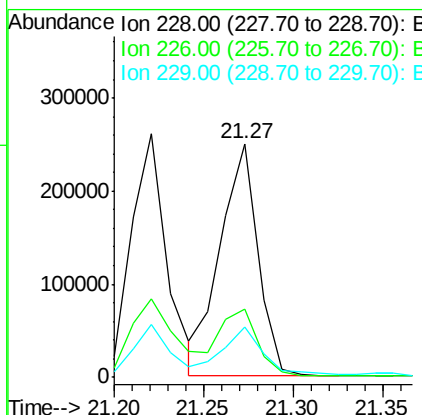
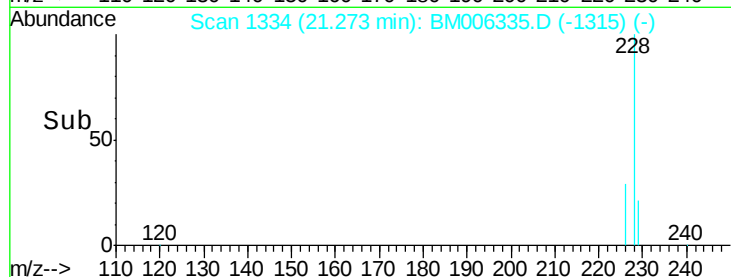
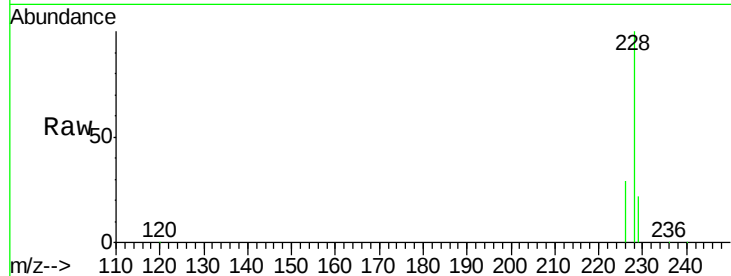
#21
Chrysene
Concen: 7.75 ng/ul
RT: 21.27 min Scan# 1334
Delta R.T. 0.00 min
Lab File: BM006335.D
Acq: 08 Jul 2016 00:43

Instrument :
BNA_M
ClientSampleId :
A4TW3

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.2	21.2	31.8
229	21.6	17.0	25.6

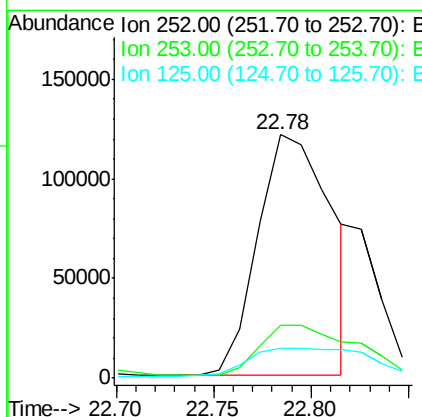
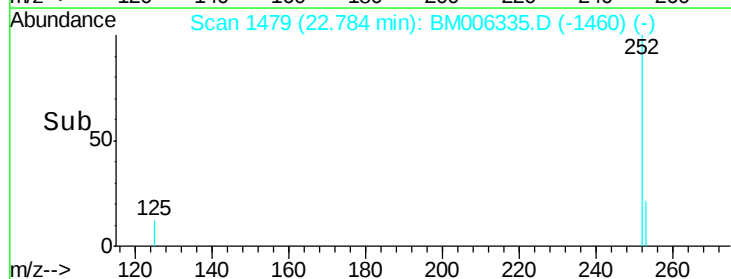
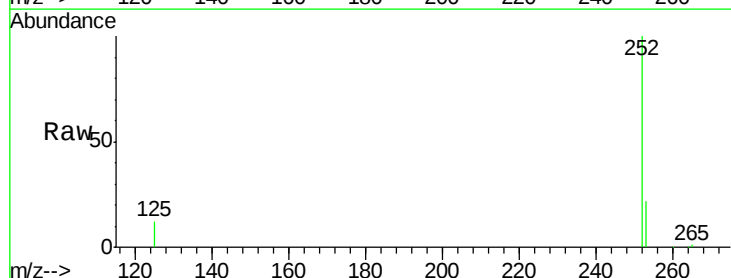
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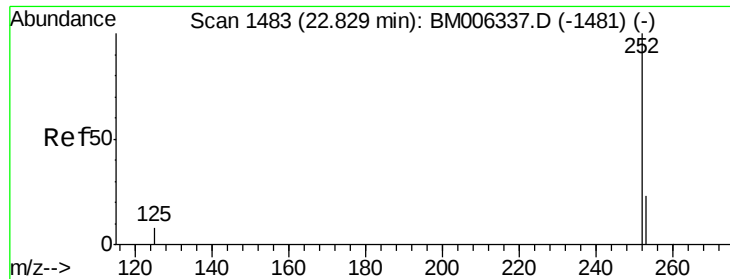
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#23
Benzo(b)fluoranthene
Concen: 6.10 ng/ul m
RT: 22.78 min Scan# 1479
Delta R.T. 0.00 min
Lab File: BM006335.D
Acq: 08 Jul 2016 00:43

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	0.0	45.4
125	12.4	0.0	28.8





#24

Benzo(k)fluoranthene

Concen: 1.59 ng/ul m

RT: 22.82 min Scan# 1482

Delta R.T. -0.01 min

Lab File: BM006335.D

Acq: 08 Jul 2016 00:43

Instrument :

BNA_M

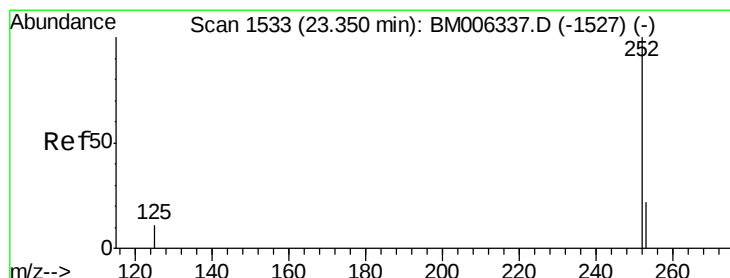
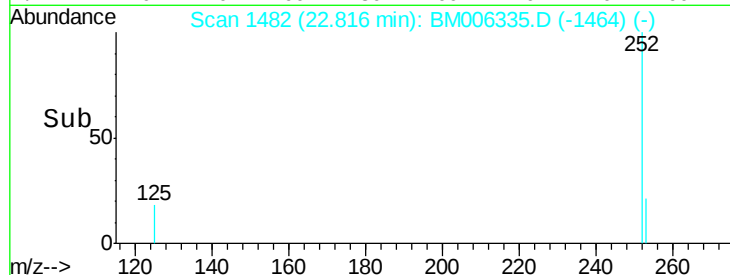
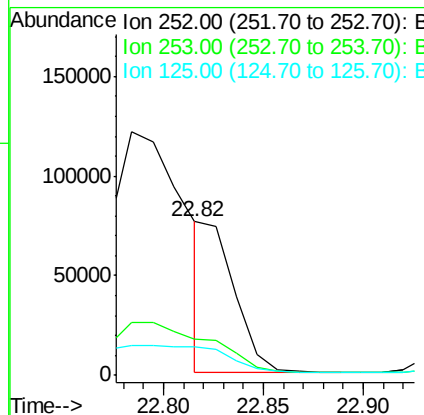
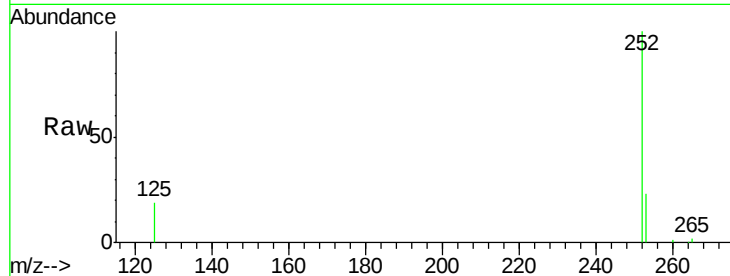
ClientSampleId :

A4TW3

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	19.8	29.8
125	18.9	10.4	15.6

Manual Integrations
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#25

Benzo(a)pyrene

Concen: 5.36 ng/ul m

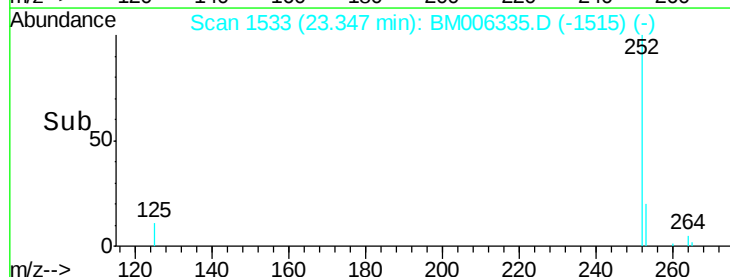
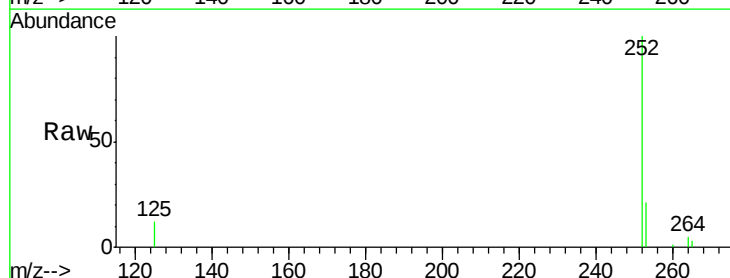
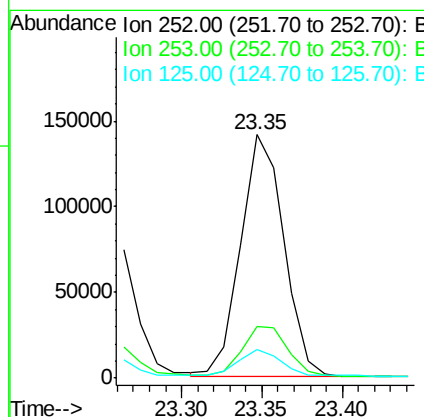
RT: 23.35 min Scan# 1533

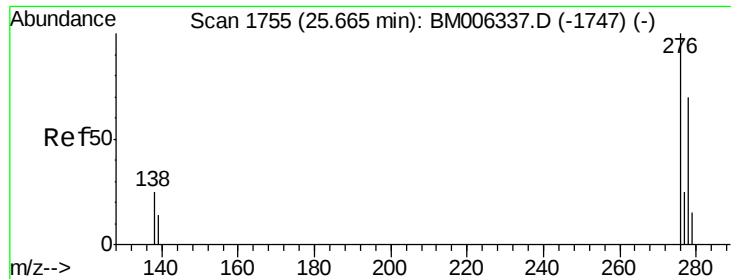
Delta R.T. -0.01 min

Lab File: BM006335.D

Acq: 08 Jul 2016 00:43

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.4	19.4	29.2
125	11.7	12.7	19.1





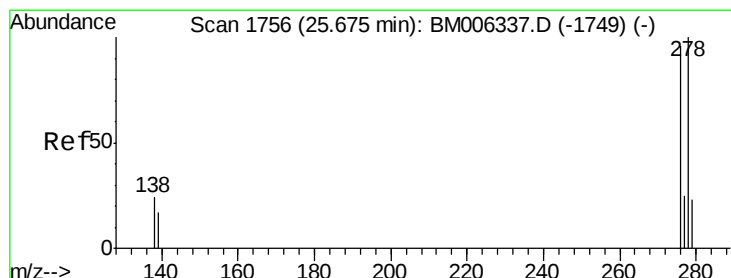
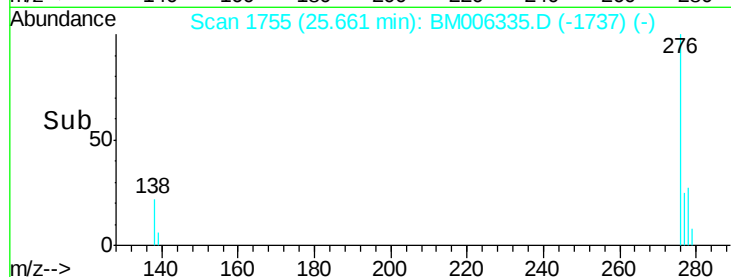
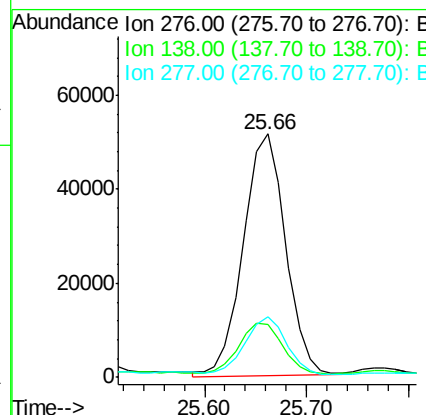
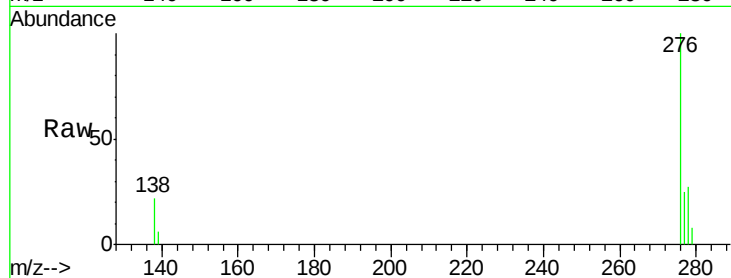
#26
Indeno(1,2,3-cd)pyrene
Concen: 2.75 ng/ul
RT: 25.66 min Scan# 1755
Delta R.T. -0.01 min
Lab File: BM006335.D
Acq: 08 Jul 2016 00:43

Instrument :
BNA_M
ClientSampleId :
A4TW3

Tot Ion	Ratio	Lower	Upper
276	100		
138	23.4	16.3	24.5
277	24.6	19.8	29.8

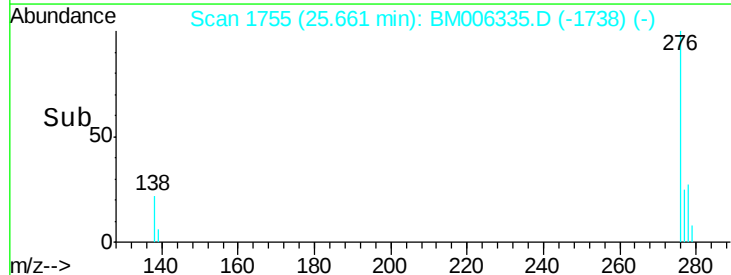
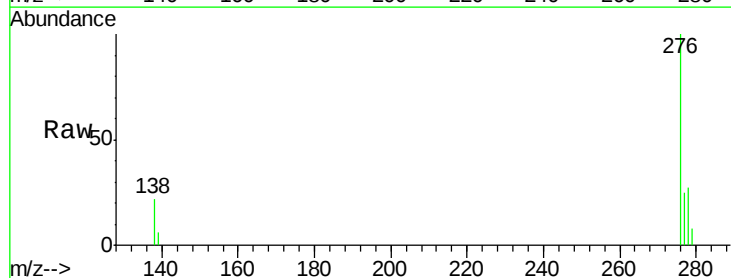
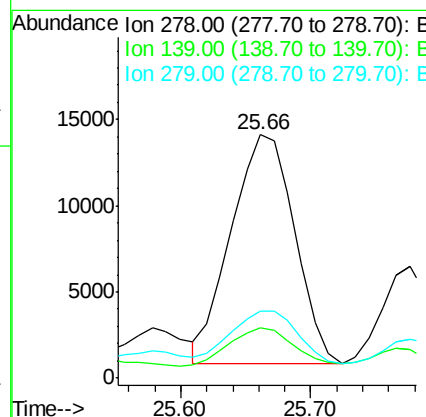
Manual Integrations
APPROVED

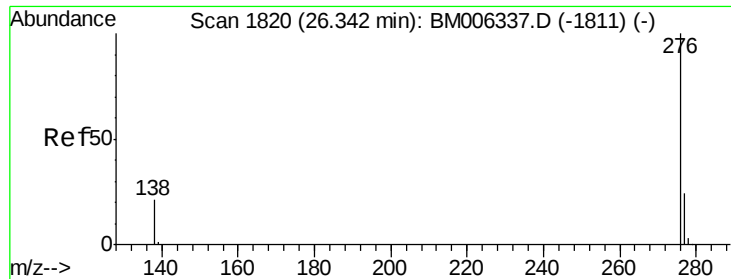
umangi
7/8/2016 7:14:15 PM



#27
Dibenzo(a,h)anthracene
Concen: 1.06 ng/ul
RT: 25.66 min Scan# 1755
Delta R.T. -0.02 min
Lab File: BM006335.D
Acq: 08 Jul 2016 00:43

Tgt Ion	Ratio	Lower	Upper
278	100		
139	20.5	16.4	24.6
279	27.5	20.2	30.2





#28

Benzo(a,h,i)perylene

Concen: 3.00 ng/ul

RT: 26.34 min Scan# 1820

Delta R.T. 0.00 min

Lab File: BM006335.D

Acq: 08 Jul 2016 00:43

Instrument :

BNA_M

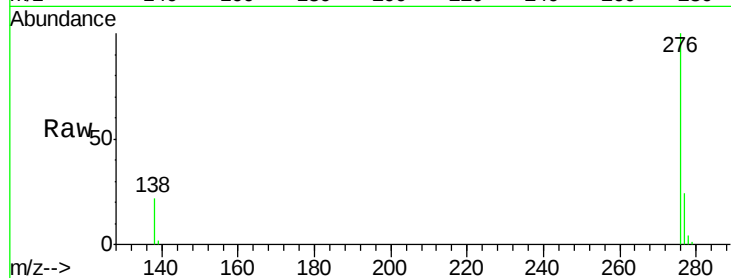
ClientSampleId :

A4TW3

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.8	18.9	28.3
138	22.1	22.5	33.7

Manual Integrations
APPROVED

umangi
7/8/2016 7:14:15 PM



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

