

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122116\
 Data File : BM008521.D
 Acq On : 21 Dec 2016 17:34
 Operator : UM/SJ
 Sample : H5995-12
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA880

Manual Integrations
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Quant Time: Dec 22 00:43:17 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 22 00:24:45 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	409	0.40	ng/ul	-0.08
2) Naphthalene-d8	10.43	136	1325	0.40	ng/ul	-0.07
6) Acenaphthene-d10	14.30	164	817	0.40	ng/ul	-0.03
10) Phenanthrene-d10	17.04	188	1515m	0.40	ng/ul	-0.05
16) Chrysene-d12	21.25	240	1550	0.40	ng/ul	-0.03
20) Perylene-d12	23.47	264	1638m	0.40	ng/ul	-0.04
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.03	152	503	0.25	ng/ul	-0.08
14) Fluoranthene-d10	19.08	212	1145m	0.27	ng/ul	-0.04
Target Compounds						Qvalue
3) Naphthalene	10.48	128	4643	1.25	ng/ul	98
5) 2-Methylnaphthalene	12.09	142	5954	2.37	ng/ul	93
7) Acenaphthylene	14.01	152	4644	1.26	ng/ul	97
8) Acenaphthene	14.35	153	878	0.32	ng/ul	97
9) Fluorene	15.34	166	810	0.26	ng/ul#	65
12) Phenanthrene	17.07	178	15421m	3.33	ng/ul	
13) Anthracene	17.18	178	5750	1.28	ng/ul	96
15) Fluoranthene	19.11	202	47128m	8.31	ng/ul	
17) Pyrene	19.47	202	51061	8.52	ng/ul	96
18) Benzo(a)anthracene	21.23	228	36953	7.26	ng/ul	98
19) Chrysene	21.28	228	30219	5.42	ng/ul	99
21) Benzo(b)fluoranthene	22.80	252	66978m	10.38	ng/ul	
22) Benzo(k)fluoranthene	22.83	252	24696m	3.92	ng/ul	
23) Benzo(a)pyrene	23.37	252	39503m	6.60	ng/ul	
24) Indeno(1,2,3-cd)pyrene	25.69	276	30740m	4.31	ng/ul	
25) Dibenzo(a,h)anthracene	25.69	278	8439m	1.48	ng/ul	
26) Benzo(g,h,i)perylene	26.38	276	25306m	4.14	ng/ul	

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

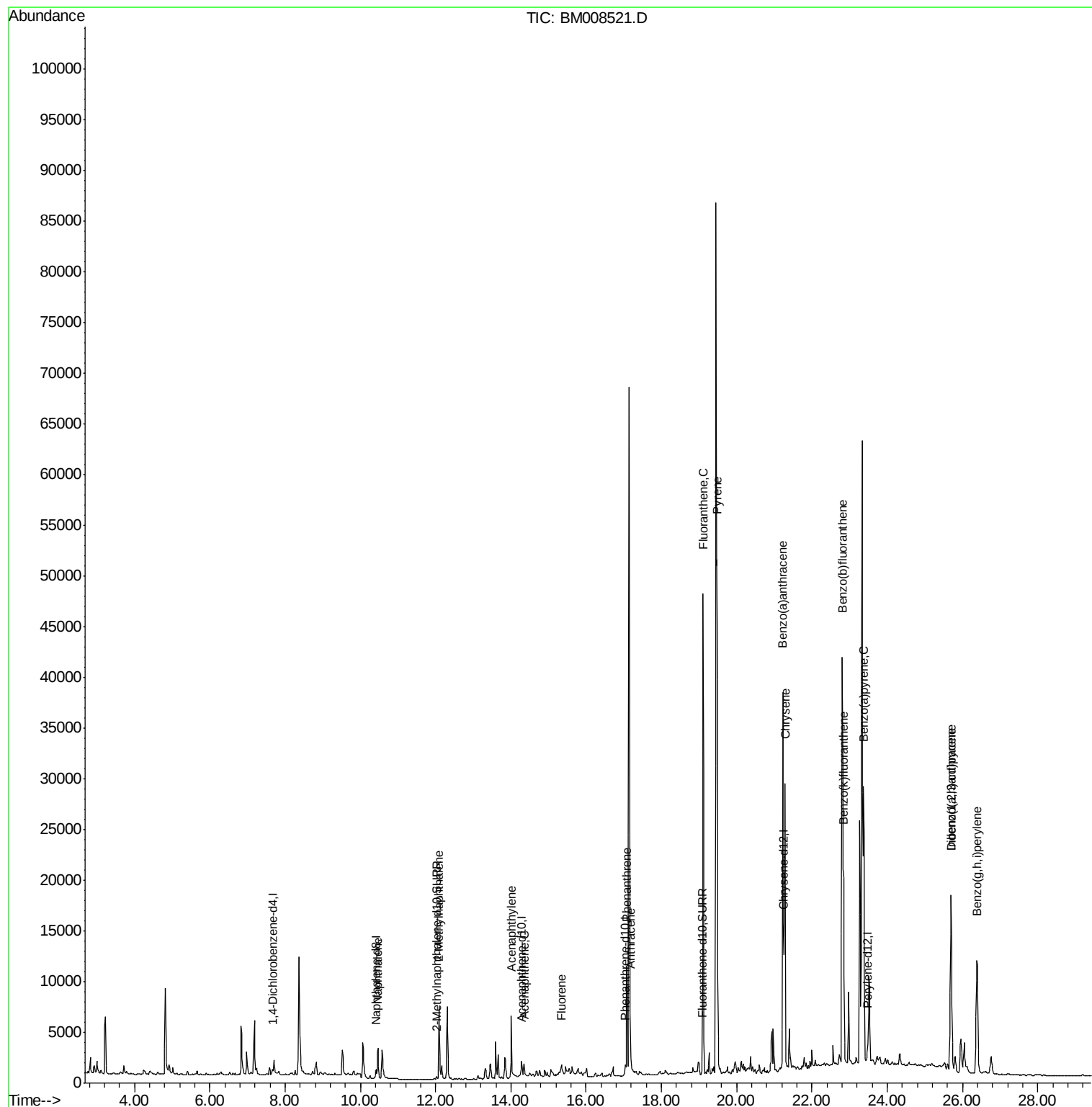
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122116\
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Sample : H5995-12
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ALS Vial : 14 Sample Multiplier: 1

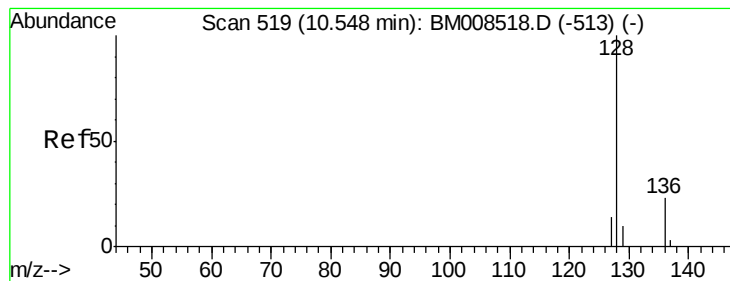
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
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QLast Update : Thu Dec 22 00:24:45 2016
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#3

Naphthalene

Concen: 1.25 ng/ul

RT: 10.48 min Scan# 513

Delta R.T. -0.07 min

Lab File: BM008521.D

Acq: 21 Dec 2016 17:34

Instrument :

BNA_M

ClientSampleId :

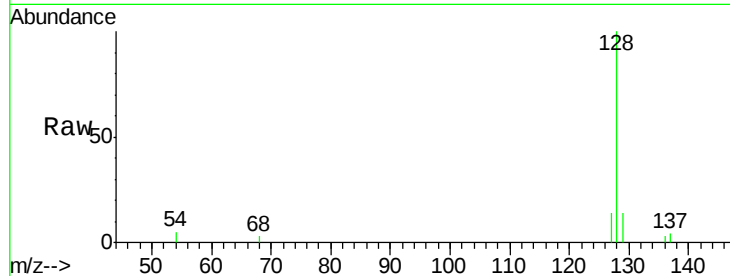
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Tgt Ion:128 Resp: 4643

Ion	Ratio	Lower	Upper
128	100		
129	14.0	11.3	16.9
127	14.3	12.8	19.2

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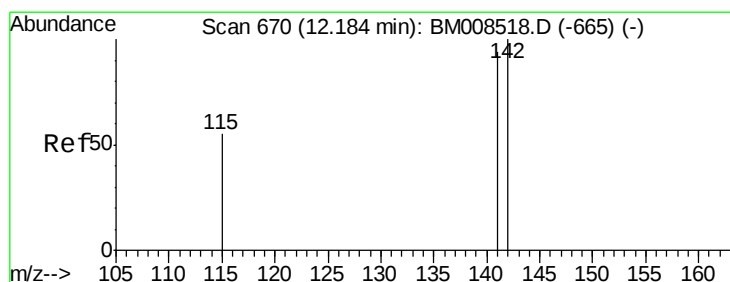
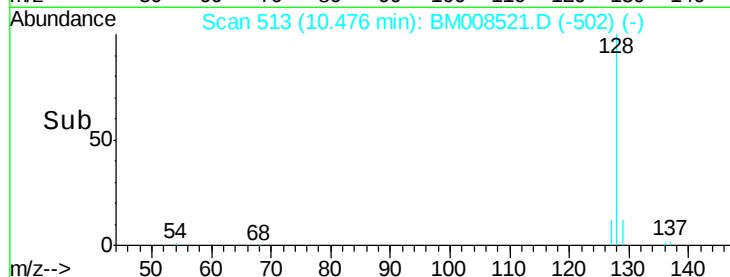
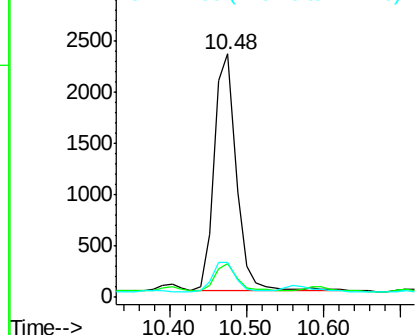
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#5

2-Methylnaphthalene

Concen: 2.37 ng/ul

RT: 12.09 min Scan# 661

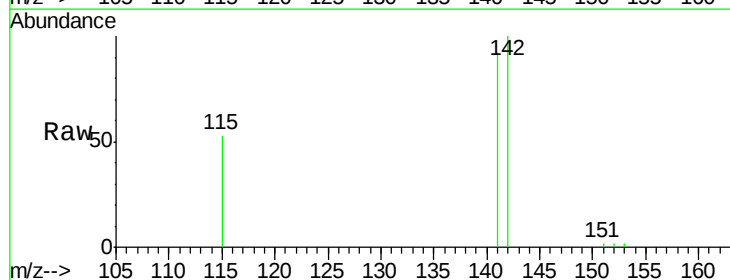
Delta R.T. -0.09 min

Lab File: BM008521.D

Acq: 21 Dec 2016 17:34

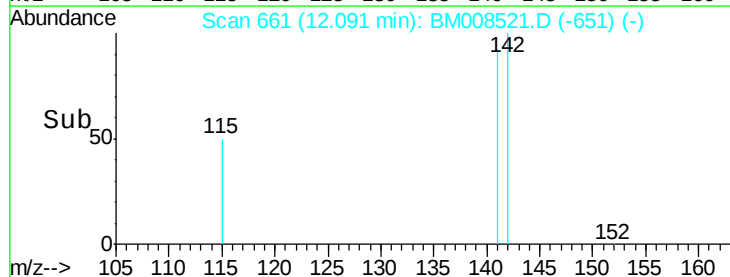
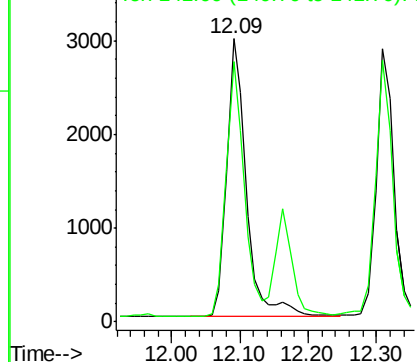
Tgt Ion:142 Resp: 5954

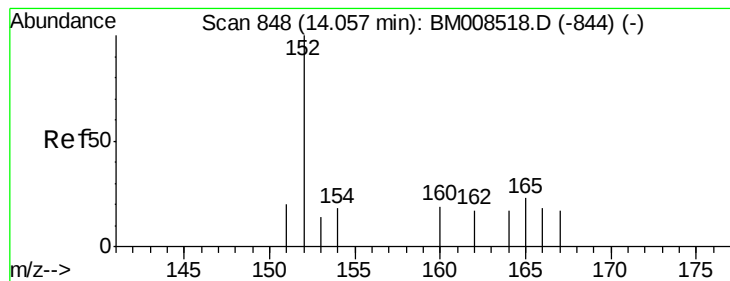
Ion	Ratio	Lower	Upper
142	100		
141	83.8	72.6	108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 1.26 ng/ul

RT: 14.01 min Scan# 845

Delta R.T. -0.05 min

Lab File: BM008521.D

Acq: 21 Dec 2016 17:34

Instrument :

BNA_M

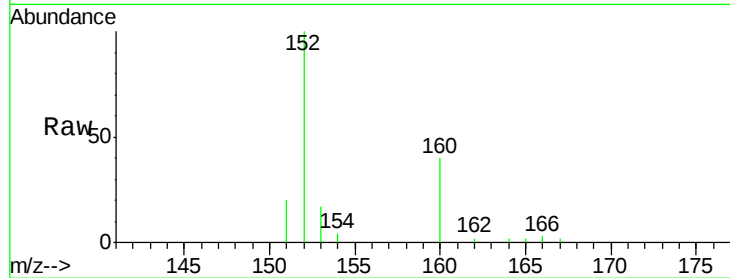
ClientSampleId :

DA880

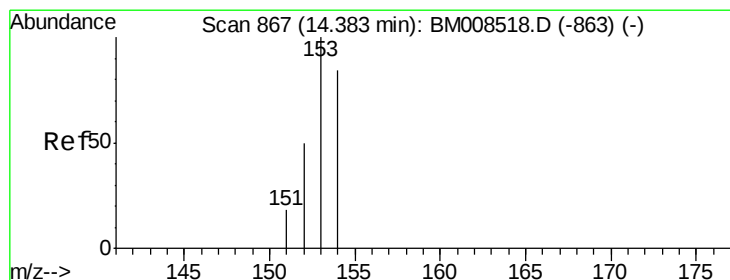
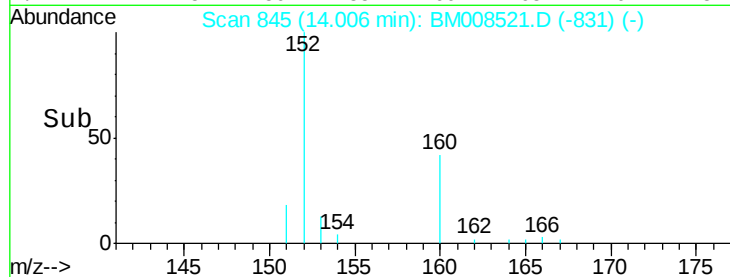
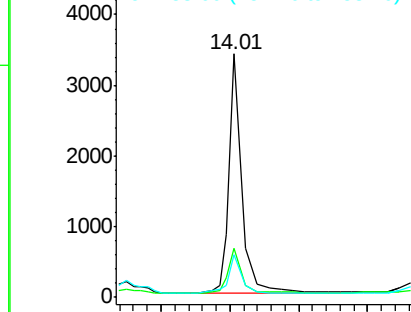
Tgt Ion:	152	Resp:	4644
Ion Ratio		Lower	Upper
152	100		
151	20.1	17.1	25.7
153	17.3	12.8	19.2

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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#8

Acenaphthene

Concen: 0.32 ng/ul

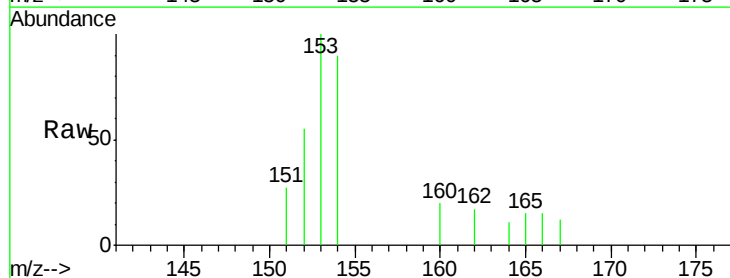
RT: 14.35 min Scan# 865

Delta R.T. -0.03 min

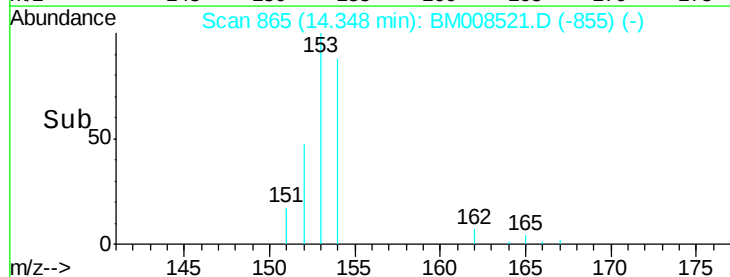
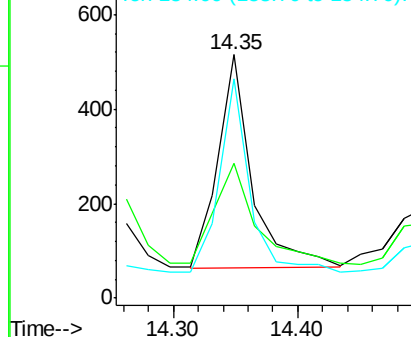
Lab File: BM008521.D

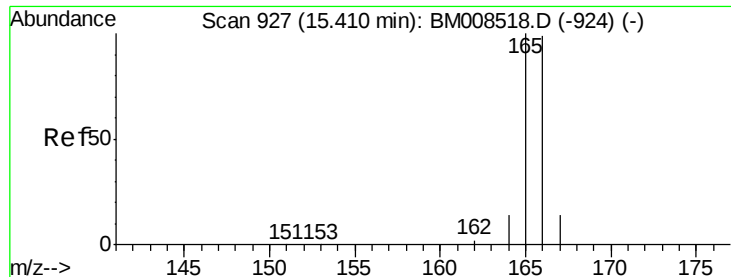
Acq: 21 Dec 2016 17:34

Tgt Ion:	153	Resp:	878
Ion Ratio		Lower	Upper
153	100		
152	55.3	40.3	60.5
154	90.3	71.4	107.2



Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.26 ng/ul

RT: 15.34 min Scan# 923

Delta R.T. -0.07 min

Lab File: BM008521.D

Acq: 21 Dec 2016 17:34

Instrument :

BNA_M

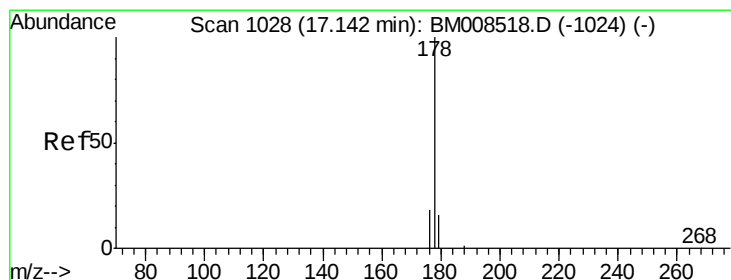
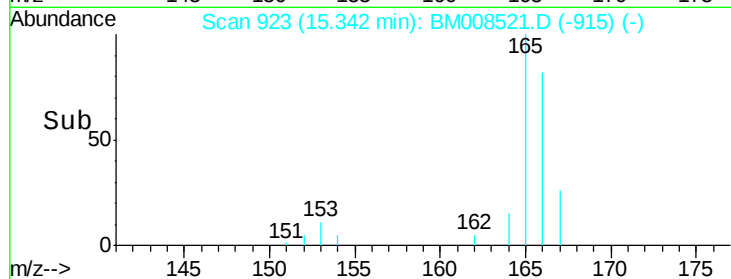
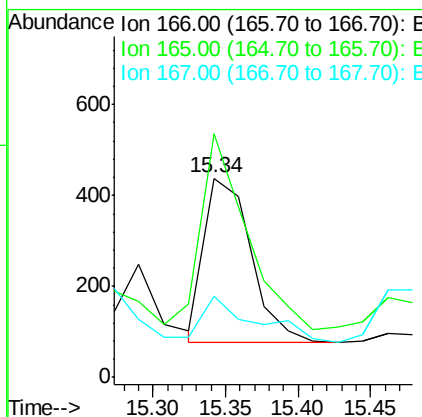
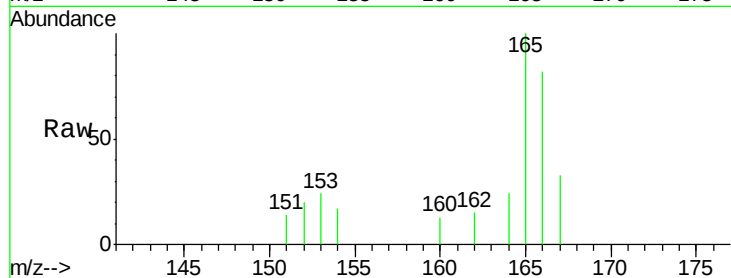
ClientSampleId :

DA880

Tgt Ion:	166	Resp:	810
Ion Ratio	Lower	Upper	
166	100		
165	122.4	73.4	110.2#
167	40.4	14.6	22.0#

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#12

Phenanthrene

Concen: 3.33 ng/ul m

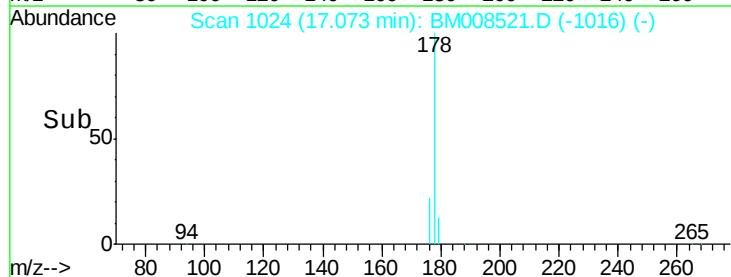
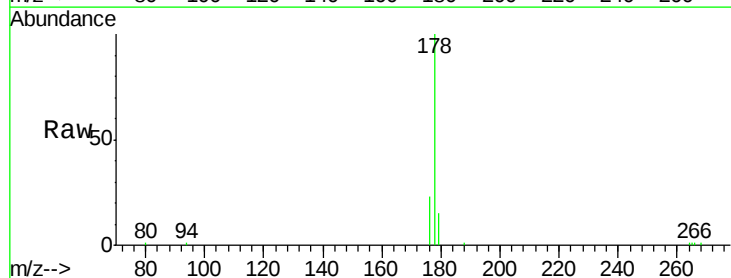
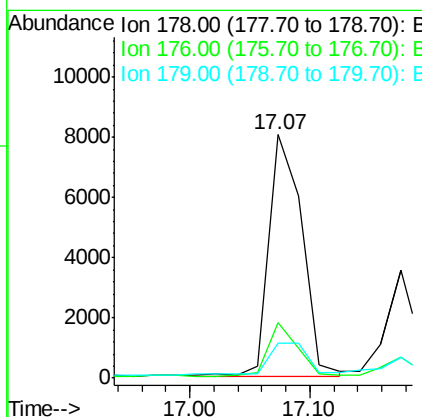
RT: 17.07 min Scan# 1024

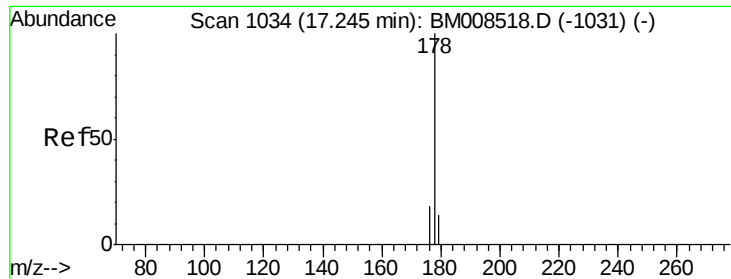
Delta R.T. -0.07 min

Lab File: BM008521.D

Acq: 21 Dec 2016 17:34

Tgt Ion:	178	Resp:	15421
Ion Ratio	Lower	Upper	
178	100		
176	22.6	18.4	27.6
179	14.5	13.6	20.4





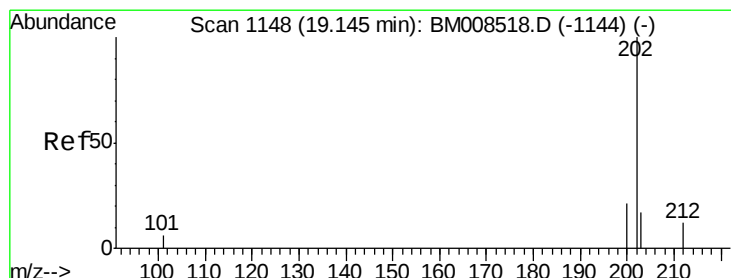
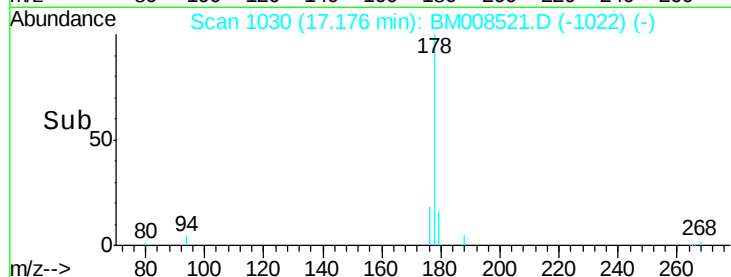
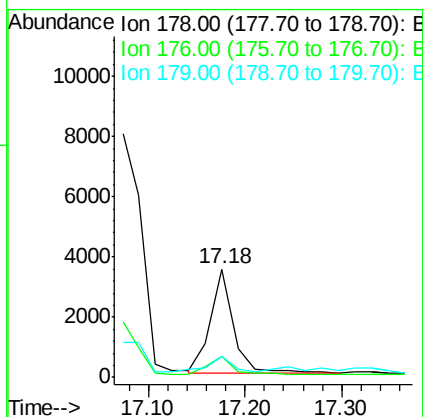
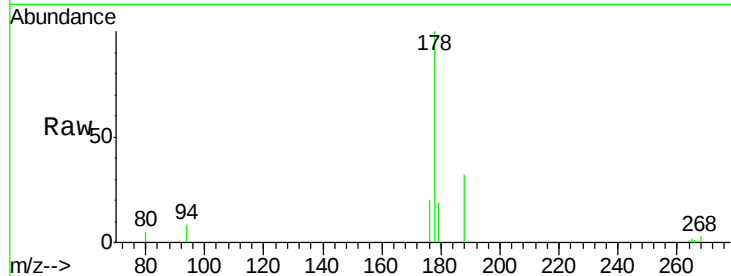
#13
 Anthracene
 Concen: 1.28 ng/ul
 RT: 17.18 min Scan# 1030
 Delta R.T. -0.07 min
 Lab File: BM008521.D
 Acq: 21 Dec 2016 17:34

Instrument :
 BNA_M
 ClientSampleId :
 DA880

Tgt Ion:178 Resp: 5750
 Ion Ratio Lower Upper
 178 100
 176 19.8 18.1 27.1
 179 19.3 14.7 22.1

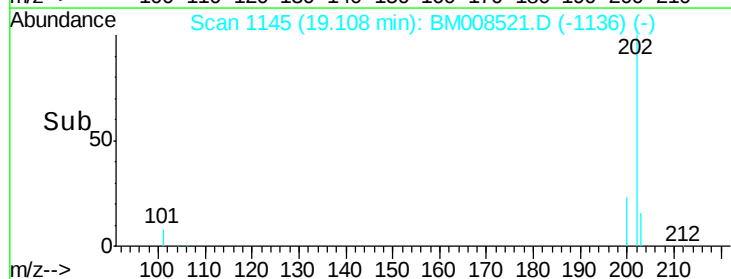
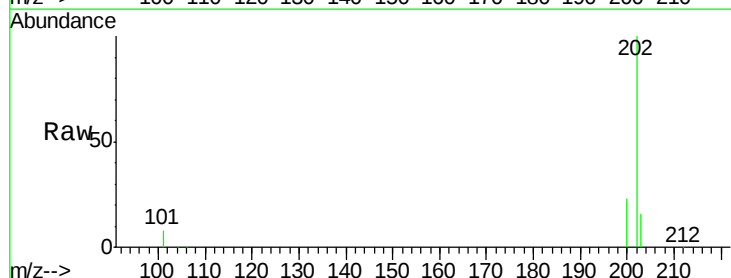
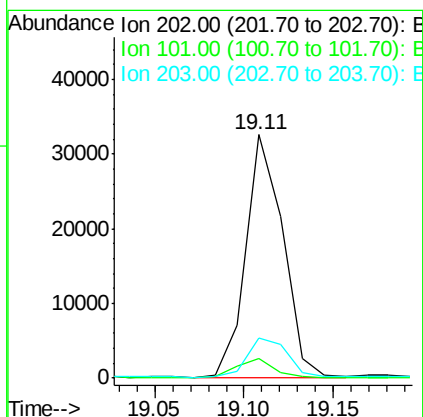
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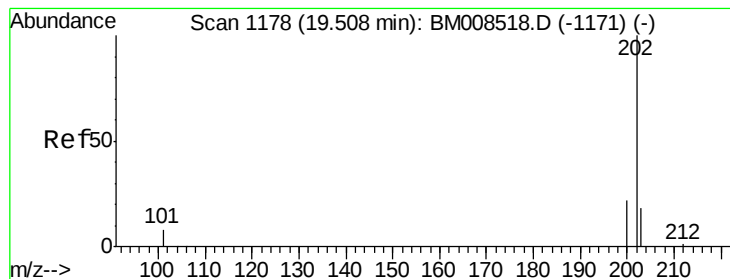
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#15
 Fluoranthene
 Concen: 8.31 ng/ul m
 RT: 19.11 min Scan# 1145
 Delta R.T. -0.04 min
 Lab File: BM008521.D
 Acq: 21 Dec 2016 17:34

Tgt Ion:202 Resp: 47128
 Ion Ratio Lower Upper
 202 100
 101 8.2 0.0 30.3
 203 16.5 0.0 39.5





#17

Pyrene

Concen: 8.52 ng/ul

RT: 19.47 min Scan# 1175

Delta R.T. -0.04 min

Lab File: BM008521.D

Acq: 21 Dec 2016 17:34

Instrument :

BNA_M

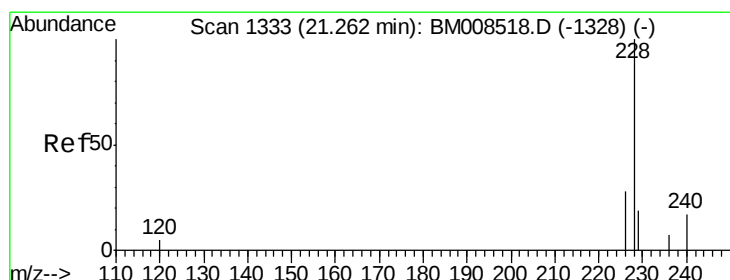
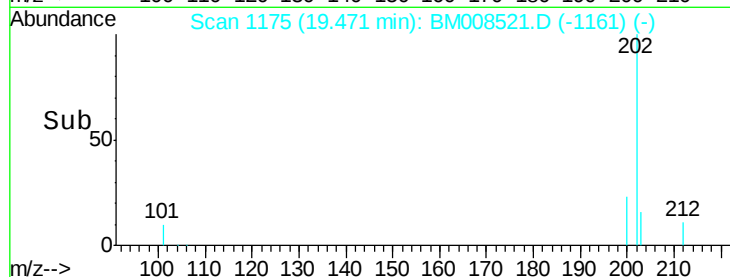
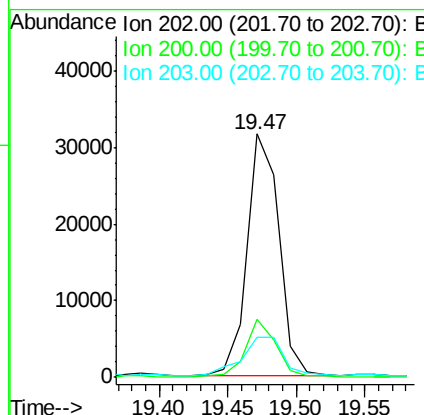
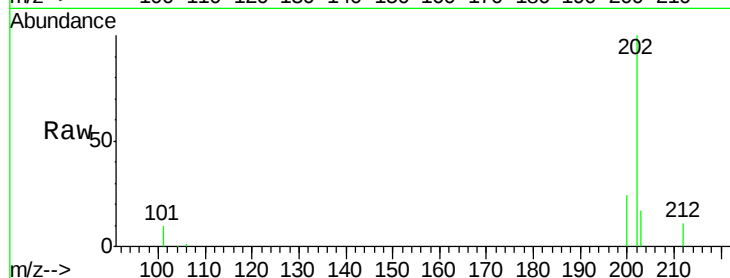
ClientSampleId :

DA880

Tgt Ion:	202	Resp:	51061
Ion Ratio	Lower	Upper	
202	100		
200	23.6	18.2	27.4
203	16.6	15.6	23.4

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#18

Benzo(a)anthracene

Concen: 7.26 ng/ul

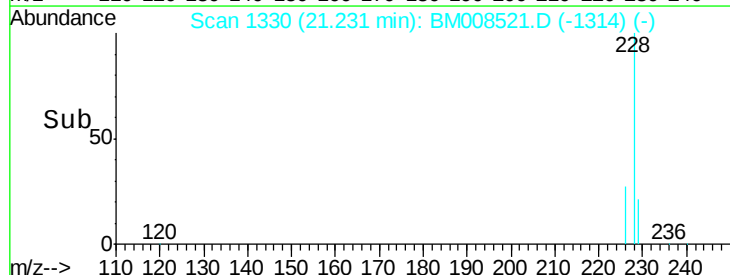
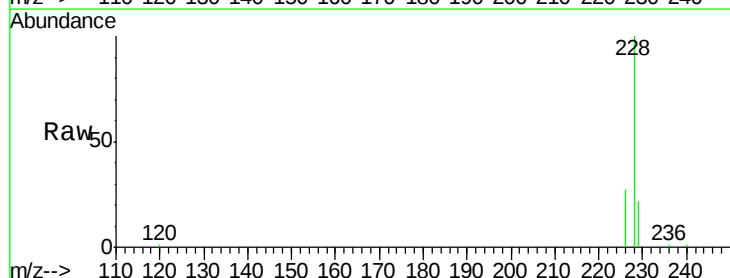
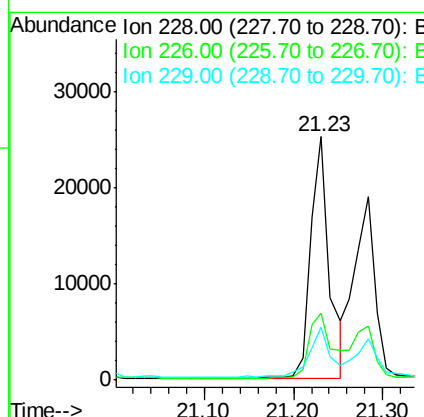
RT: 21.23 min Scan# 1330

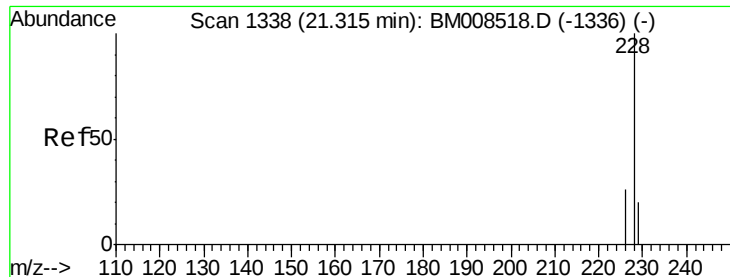
Delta R.T. -0.03 min

Lab File: BM008521.D

Acq: 21 Dec 2016 17:34

Tgt Ion:	228	Resp:	36953
Ion Ratio	Lower	Upper	
228	100		
226	27.3	22.8	34.2
229	22.0	17.0	25.6





#19

Chrysene

Concen: 5.42 ng/ul

RT: 21.28 min Scan# 1335

Delta R.T. -0.03 min

Lab File: BM008521.D

Acq: 21 Dec 2016 17:34

Instrument :

BNA_M

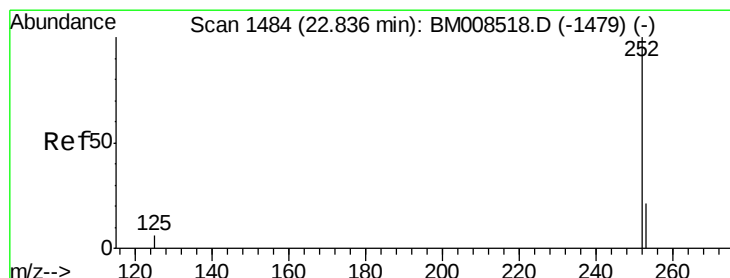
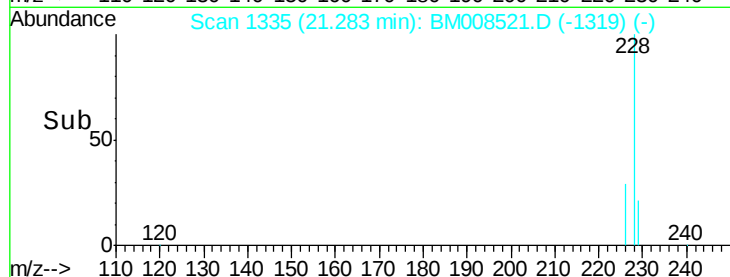
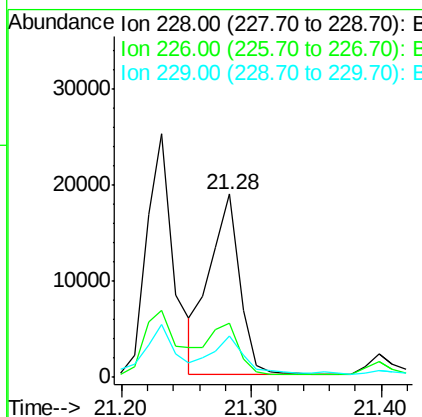
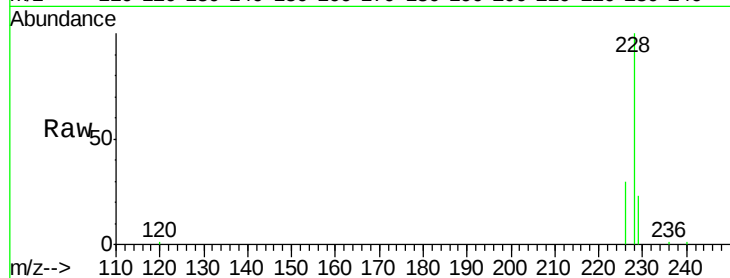
ClientSampleId :

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Tgt Ion:	228	Resp:	30219
Ion Ratio	Lower	Upper	
228	100		
226	29.9	23.4	35.0
229	22.5	17.7	26.5

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#21

Benzo(b)fluoranthene

Concen: 10.38 ng/ul m

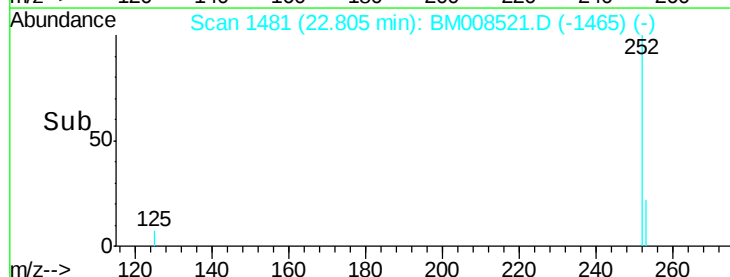
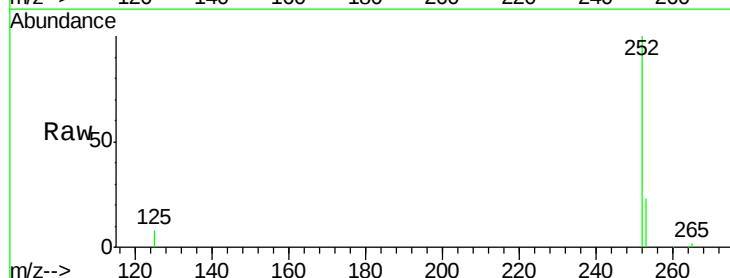
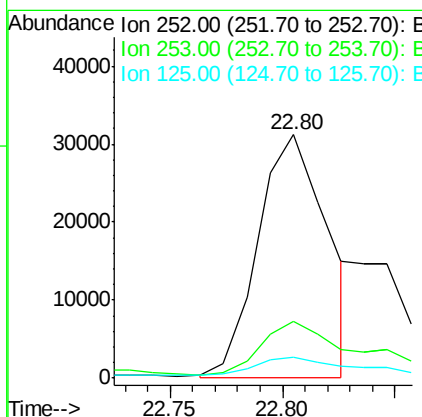
RT: 22.80 min Scan# 1481

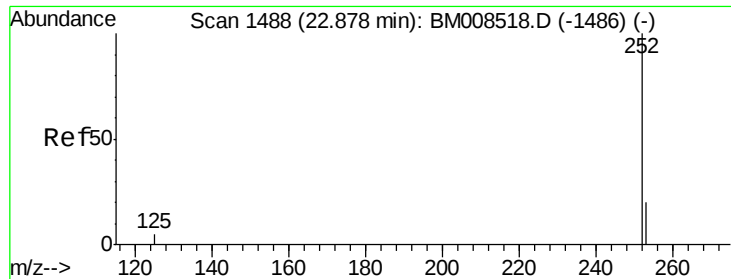
Delta R.T. -0.03 min

Lab File: BM008521.D

Acq: 21 Dec 2016 17:34

Tgt Ion:	252	Resp:	66978
Ion Ratio	Lower	Upper	
252	100		
253	23.2	0.0	64.2
125	8.4	0.0	35.0





#22

Benzo(k)fluoranthene

Concen: 3.92 ng/ul m

RT: 22.83 min Scan# 1483

Delta R.T. -0.05 min

Lab File: BM008521.D

Acq: 21 Dec 2016 17:34

Instrument :

BNA_M

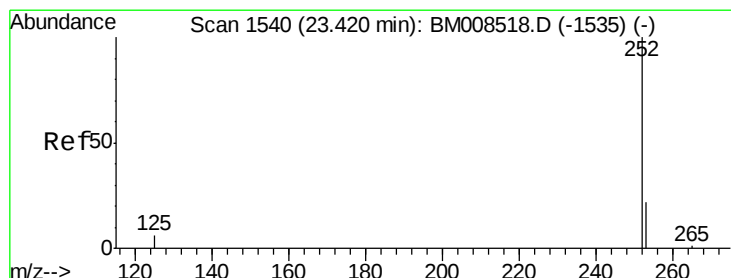
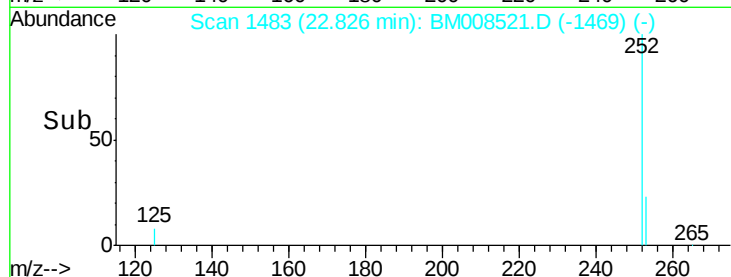
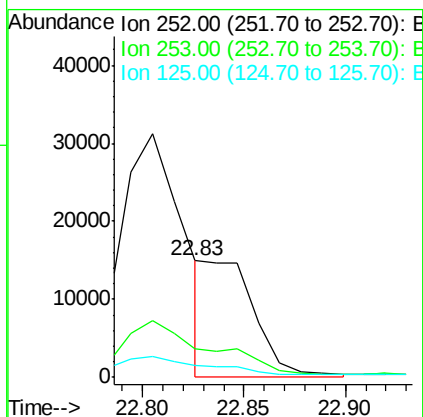
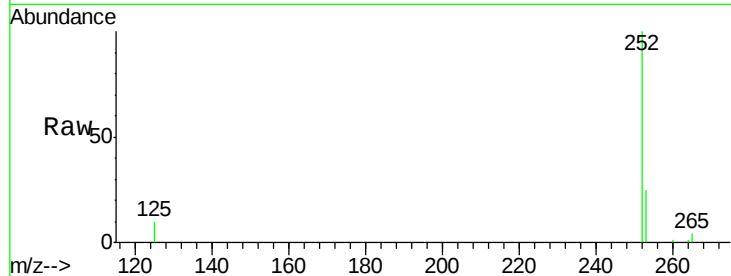
ClientSampleId :

DA880

Tgt Ion:	252	Resp:	24696
Ion Ratio	Lower	Upper	
252	100		
253	25.0	24.5	36.7
125	10.2	13.7	20.5#

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#23

Benzo(a)pyrene

Concen: 6.60 ng/ul m

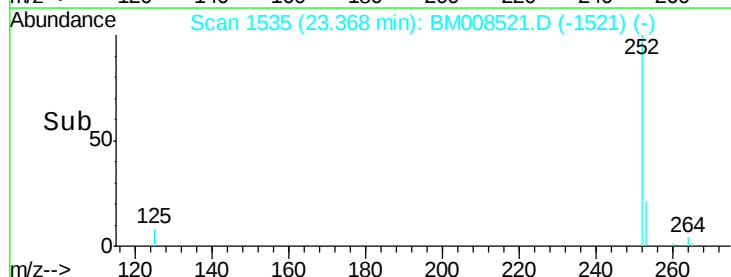
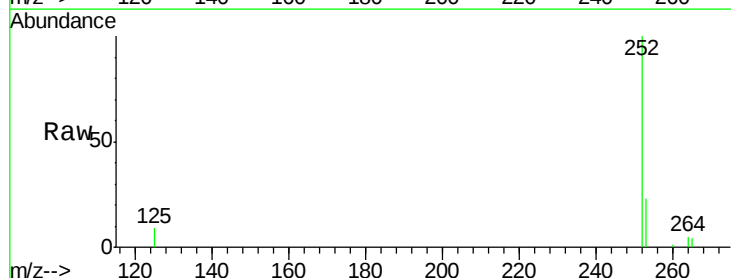
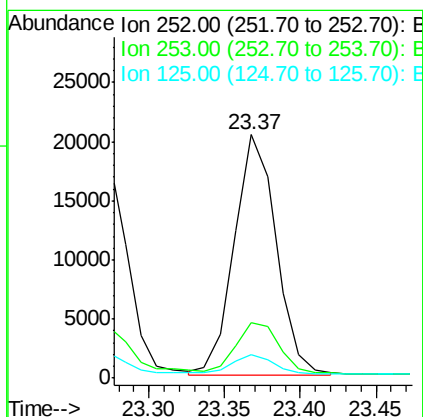
RT: 23.37 min Scan# 1535

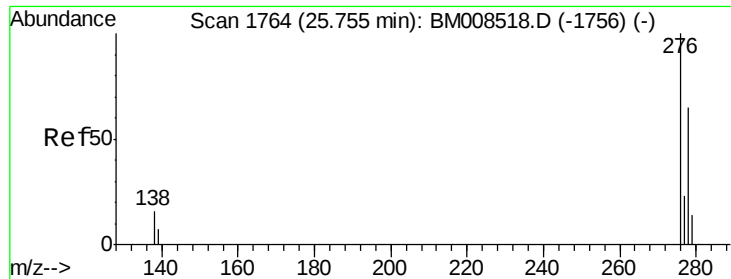
Delta R.T. -0.05 min

Lab File: BM008521.D

Acq: 21 Dec 2016 17:34

Tgt Ion:	252	Resp:	39503
Ion Ratio	Lower	Upper	
252	100		
253	22.6	28.5	42.7#
125	9.4	18.1	27.1#





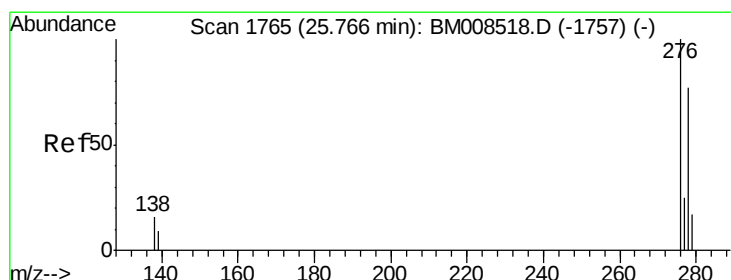
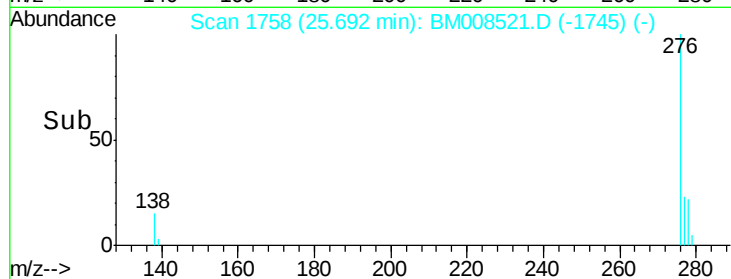
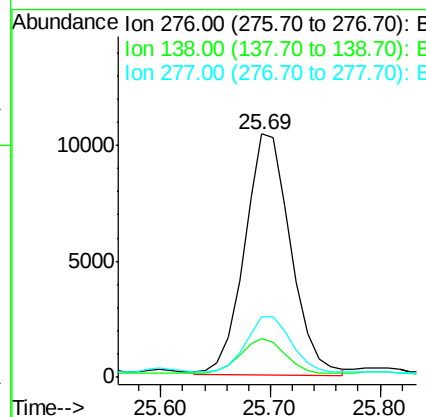
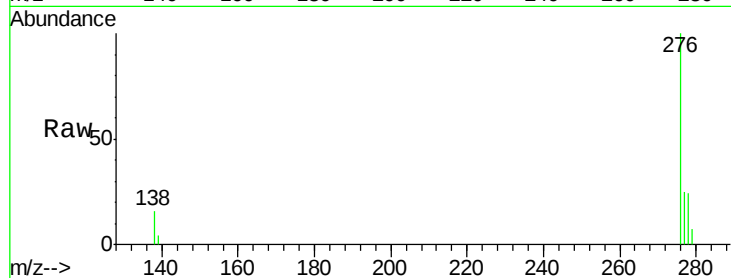
#24
 Indeno(1,2,3-cd)pyrene
 Concen: 4.31 ng/ul m
 RT: 25.69 min Scan# 1758
 Delta R.T. -0.06 min
 Lab File: BM008521.D
 Acq: 21 Dec 2016 17:34

Instrument :
 BNA_M
 ClientSampleId :
 DA880

Tgt Ion	Ratio	Lower	Upper
276	100		
138	0.0	19.1	28.7#
277	3.5	19.6	29.4#

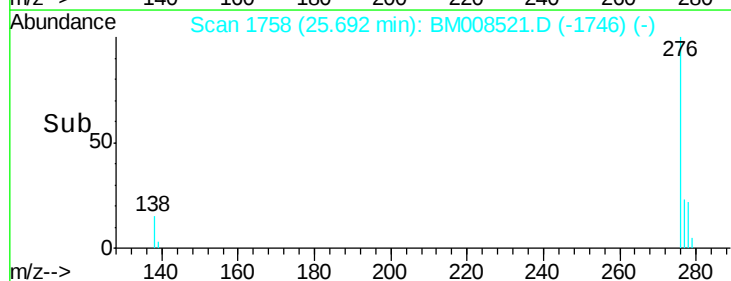
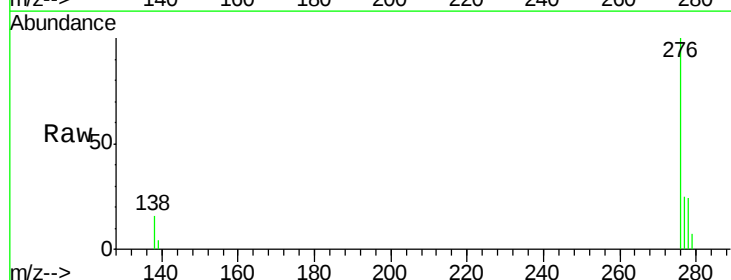
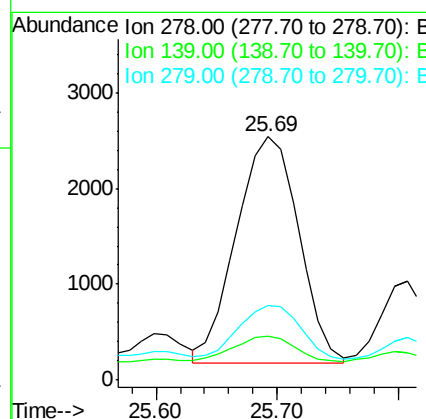
Manual Integrations
 APPROVED

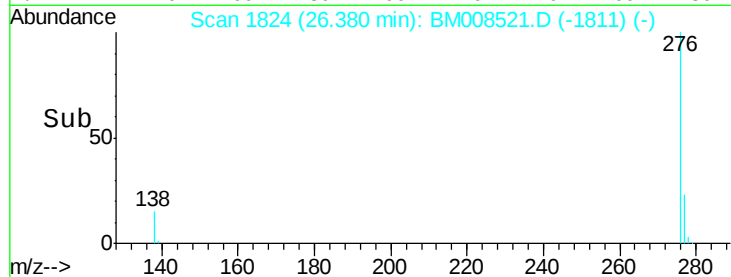
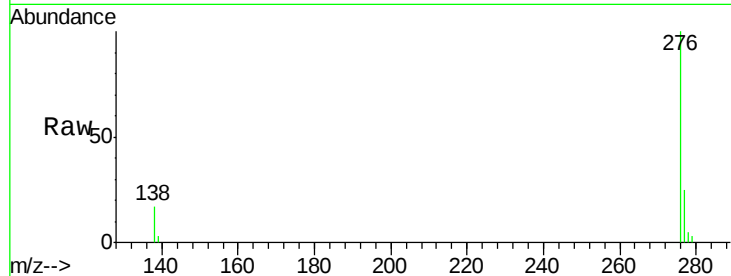
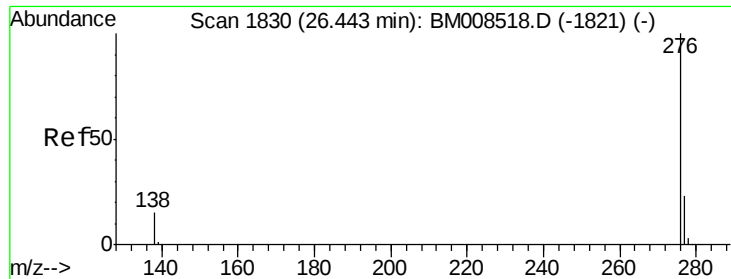
Sohil
 12/22/2016 12:35:24 PM



#25
 Dibenzo(a,h)anthracene
 Concen: 1.48 ng/ul m
 RT: 25.69 min Scan# 1758
 Delta R.T. -0.07 min
 Lab File: BM008521.D
 Acq: 21 Dec 2016 17:34

Tgt Ion	Ratio	Lower	Upper
278	100		
139	18.2	17.4	26.0
279	30.7	25.9	38.9





#26
Benzo(g,h,i)perylene
Concen: 4.14 ng/ul m
RT: 26.38 min Scan# 1824
Delta R.T. -0.06 min
Lab File: BM008521.D
Acq: 21 Dec 2016 17:34

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.7	21.8	32.8
138	16.5	20.5	30.7

Instrument :
BNA_M
ClientSampleId :
DA880

Manual Integrations
APPROVED

Sohil
12/22/2016 12:35:24 PM

