

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121916\
 Data File : BM008470.D
 Acq On : 20 Dec 2016 08:22
 Operator : UM/SJ
 Sample : H5970-13
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA852

Manual Integrations
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Quant Time: Dec 20 14:14:29 2016
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM121916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 20 04:48:59 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	461	0.40	ng/ul	-0.06
2) Naphthalene-d8	10.43	136	1648	0.40	ng/ul	-0.06
6) Acenaphthene-d10	14.28	164	1088	0.40	ng/ul	-0.03
10) Phenanthrene-d10	17.04	188	1913m	0.40	ng/ul	-0.05
16) Chrysene-d12	21.24	240	1666m	0.40	ng/ul	-0.03
20) Perylene-d12	23.48	264	1410	0.40	ng/ul	-0.03
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.02	152	518	0.21	ng/ul	-0.08
14) Fluoranthene-d10	19.09	212	1258m	0.24	ng/ul	-0.02
Target Compounds						Ovalue
3) Naphthalene	10.48	128	2521	0.54	ng/ul	97
5) 2-Methylnaphthalene	12.09	142	5565	1.78	ng/ul	99
8) Acenaphthene	14.35	153	575	0.16	ng/ul#	90
9) Fluorene	15.34	166	1592	0.38	ng/ul#	66
12) Phenanthrene	17.07	178	5708m	0.98	ng/ul	
13) Anthracene	17.18	178	1085m	0.19	ng/ul	
15) Fluoranthene	19.11	202	3520	0.49	ng/ul	86
17) Pyrene	19.48	202	4451m	0.69	ng/ul	
18) Benzo(a)anthracene	21.22	228	1831m	0.33	ng/ul	
19) Chrysene	21.29	228	1892m	0.32	ng/ul	
21) Benzo(b)fluoranthene	22.81	252	1915m	0.34	ng/ul	
22) Benzo(k)fluoranthene	22.83	252	604m	0.11	ng/ul	
23) Benzo(a)pyrene	23.37	252	1813	0.35	ng/ul#	68
24) Indeno(1,2,3-cd)pyrene	25.70	276	959	0.16	ng/ul#	87
26) Benzo(a,h,i)perylene	26.38	276	1105	0.21	ng/ul#	62

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

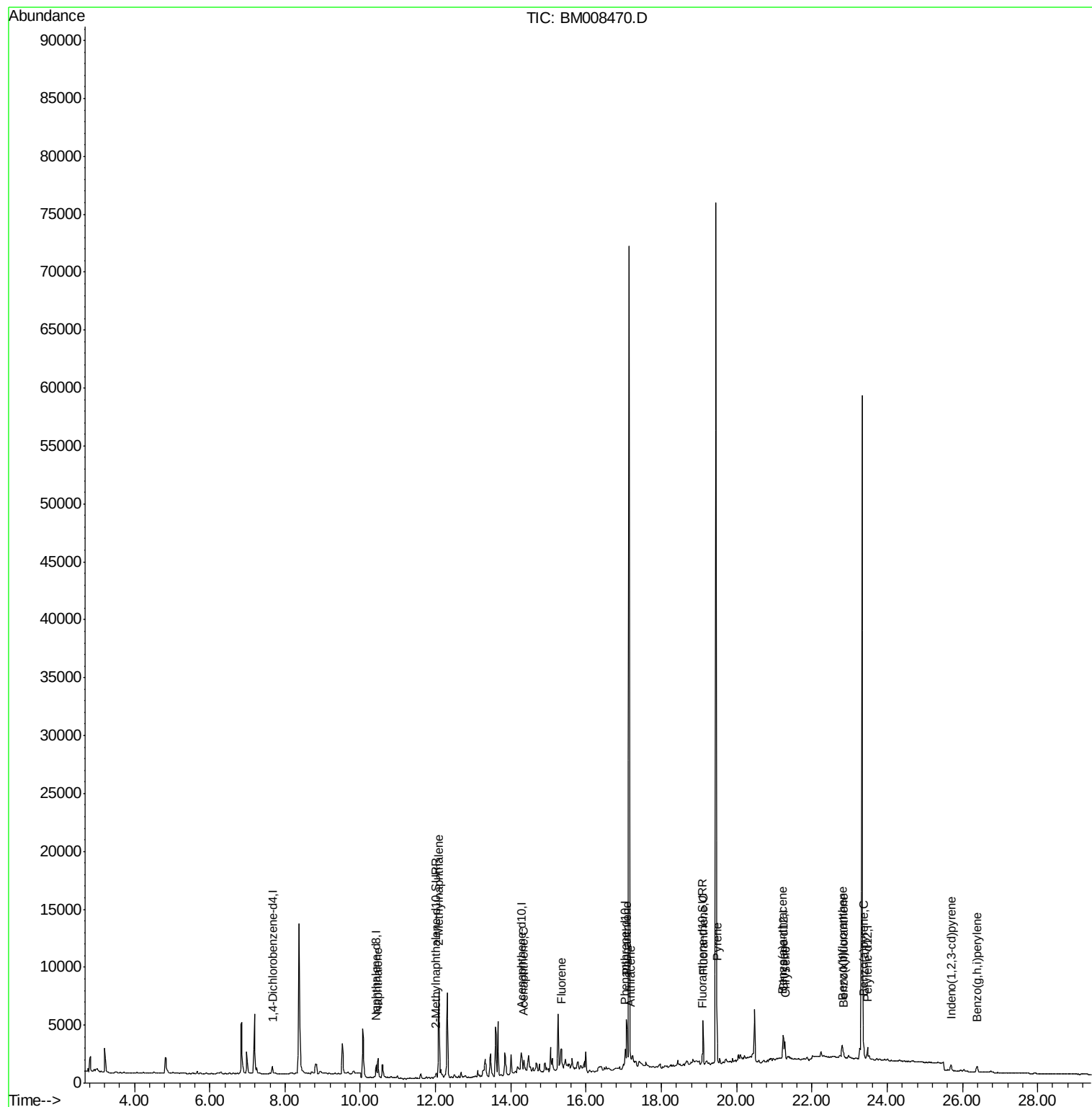
Data Path : Z:\HPCHEM1\BNA M\DATA\BM121916\
Data File : BM008470.D
Acq On : 20 Dec 2016 08:22
Operator : UM/SJ
Sample : H5970-13
Misc :
ALS Vial : 31 Sample Multiplier: 1

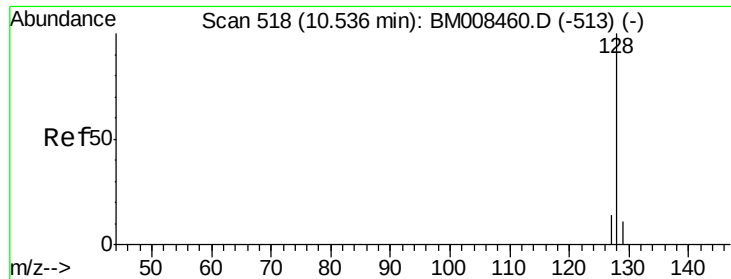
Instrument :
BNA_M
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DA852

Quant Time: Dec 20 14:14:29 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM121916.M
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#3

Naphthalene

Concen: 0.54 ng/ul

RT: 10.48 min Scan# 513

Delta R.T. -0.06 min

Lab File: BM008470.D

Acq: 20 Dec 2016 08:22

Instrument :

BNA_M

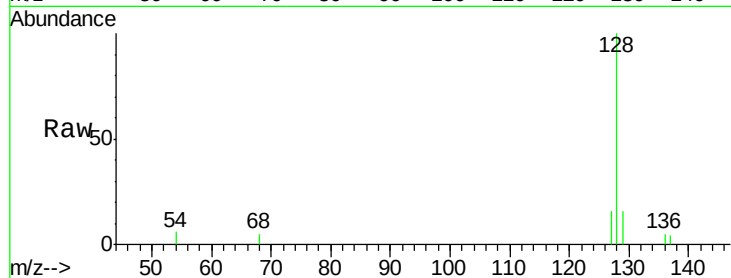
ClientSampleId :

DA852

Tot Ion:128	Resp:	2521
Ion Ratio	Lower	Upper
128 100		
129 16.4	11.3	16.9
127 16.1	12.8	19.2

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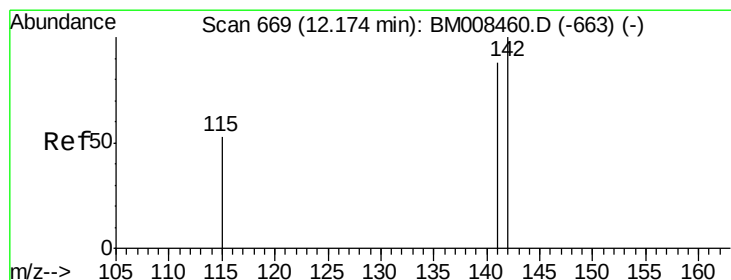
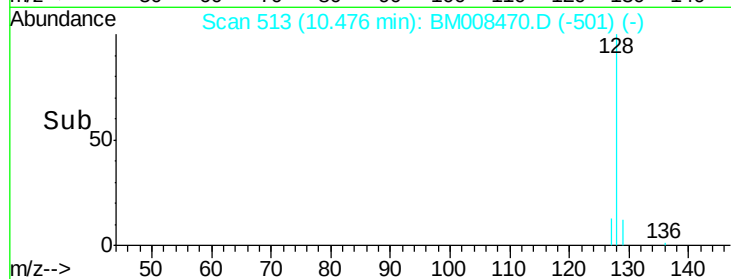
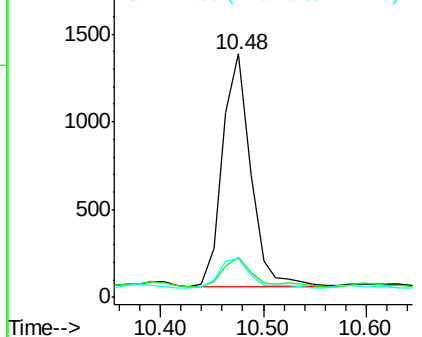
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#5

2-Methylnaphthalene

Concen: 1.78 ng/ul

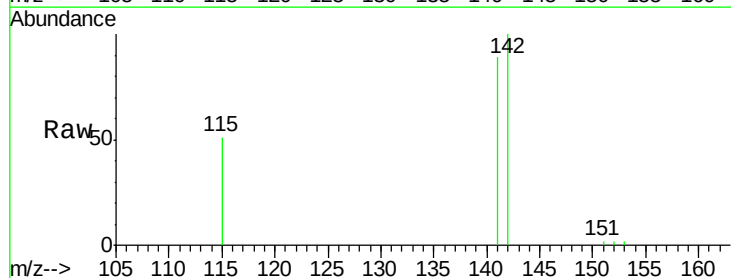
RT: 12.09 min Scan# 661

Delta R.T. -0.08 min

Lab File: BM008470.D

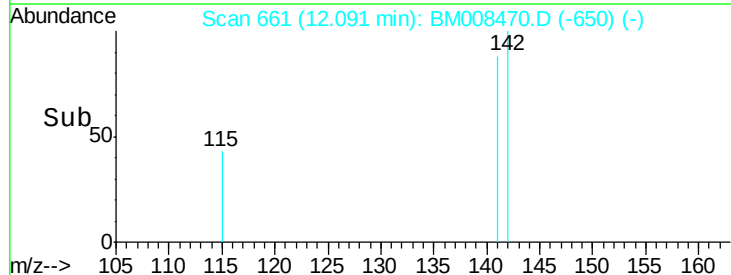
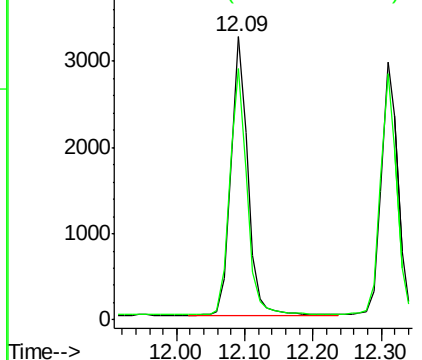
Acq: 20 Dec 2016 08:22

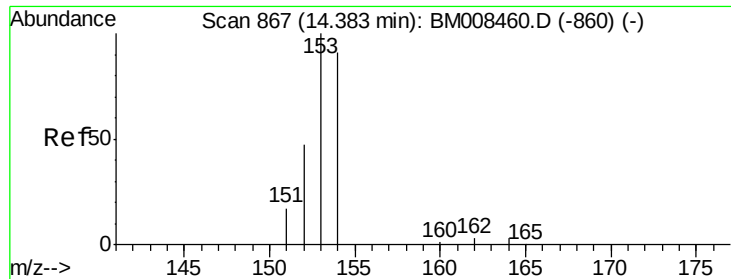
Tgt Ion:142	Resp:	5565
Ion Ratio	Lower	Upper
142 100		
141 89.9	72.6	108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#8

Acenaphthene

Concen: 0.16 ng/ul

RT: 14.35 min Scan# 865

Delta R.T. -0.03 min

Lab File: BM008470.D

Acq: 20 Dec 2016 08:22

Instrument :

BNA_M

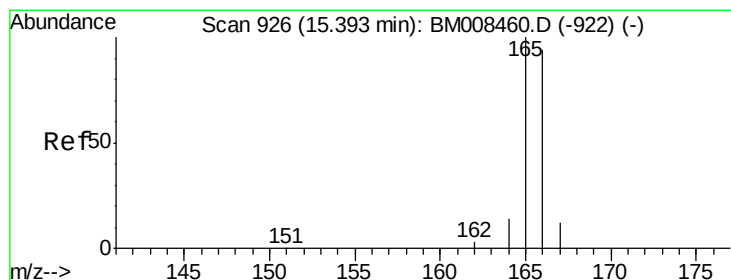
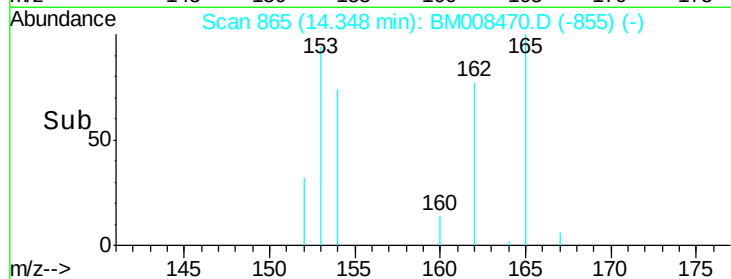
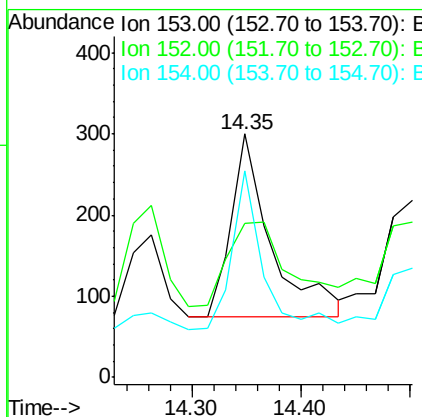
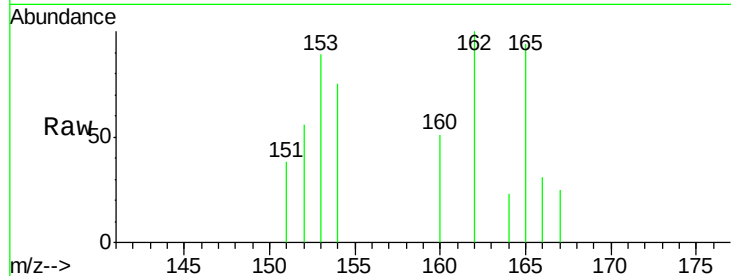
ClientSampleId :

DA852

Tot Ion:	153	Resp:	575
Ion Ratio	Lower	Upper	
153	100		
152	63.0	40.3	60.5#
154	85.0	71.4	107.2

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#9

Fluorene

Concen: 0.38 ng/ul

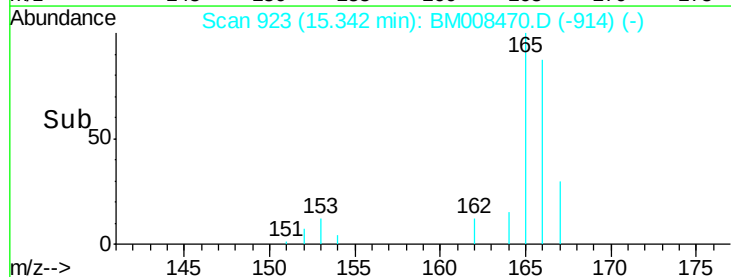
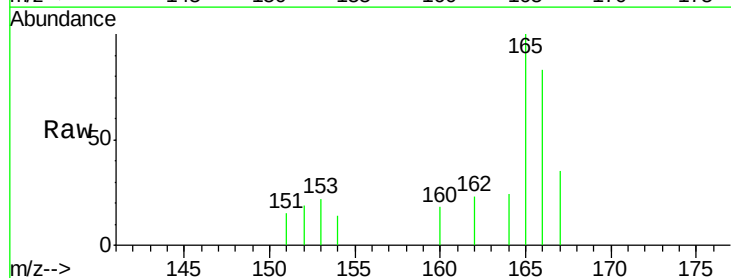
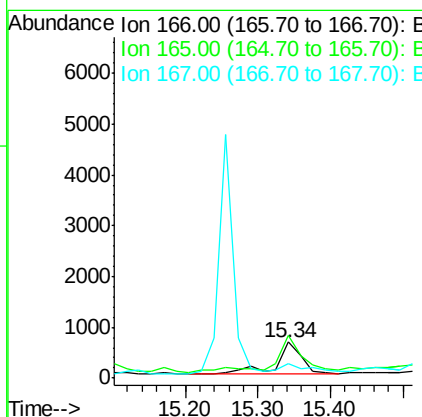
RT: 15.34 min Scan# 923

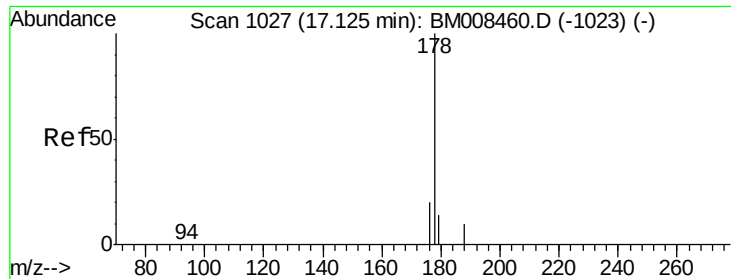
Delta R.T. -0.05 min

Lab File: BM008470.D

Acq: 20 Dec 2016 08:22

Tgt Ion:	166	Resp:	1592
Ion Ratio	Lower	Upper	
166	100		
165	120.5	73.4	110.2#
167	41.7	14.6	22.0#





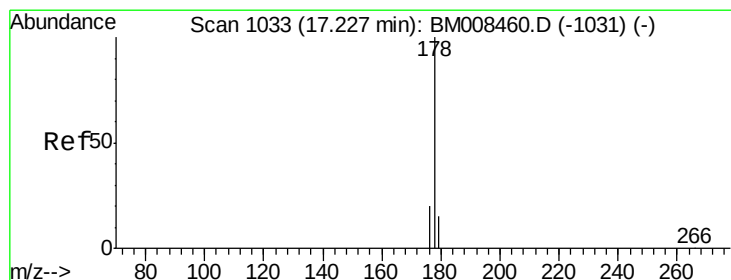
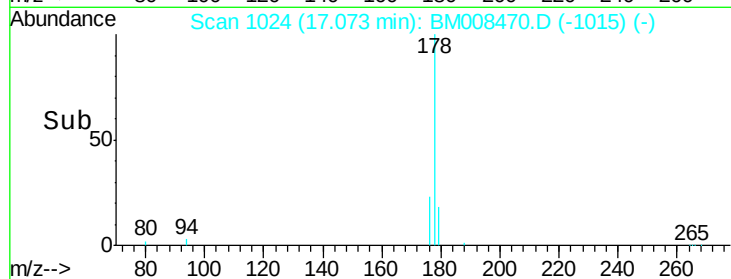
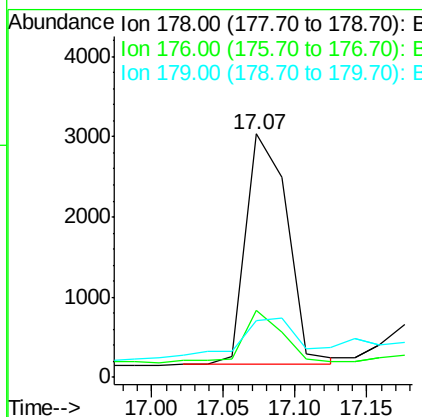
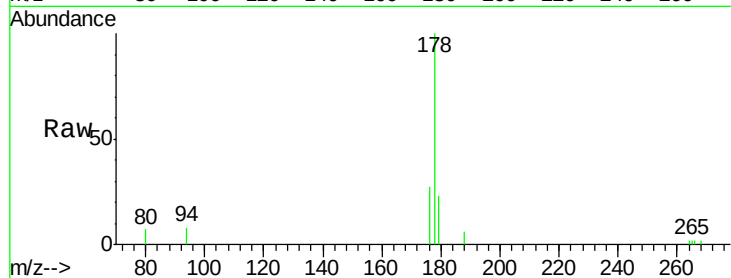
#12
Phenanthrene
Concen: 0.98 ng/ul m
RT: 17.07 min Scan# 1024
Delta R.T. -0.05 min
Lab File: BM008470.D
Acq: 20 Dec 2016 08:22

Instrument :
BNA_M
ClientSampleId :
DA852

Tot Ion	Ratio	Lower	Upper
178	100		
176	27.4	18.4	27.6
179	23.3	13.6	20.4

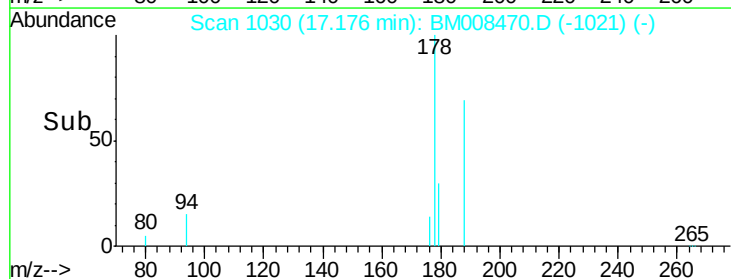
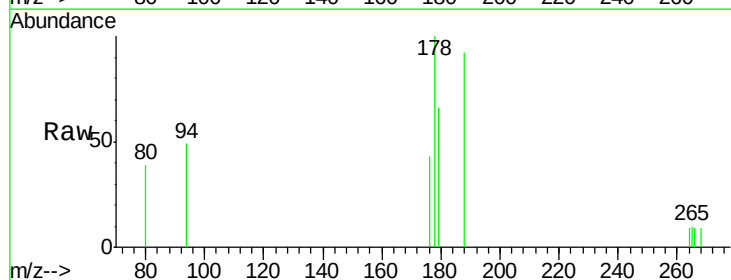
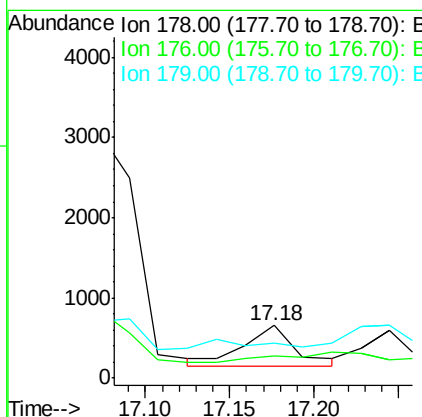
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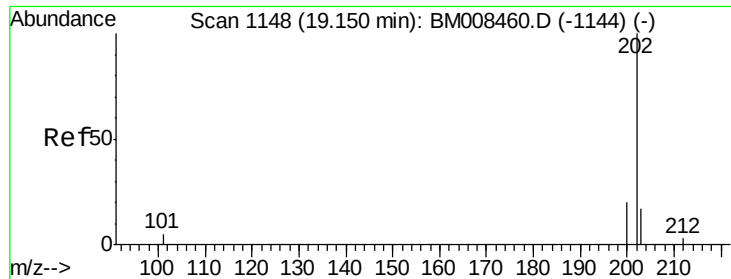
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#13
Anthracene
Concen: 0.19 ng/ul m
RT: 17.18 min Scan# 1030
Delta R.T. -0.05 min
Lab File: BM008470.D
Acq: 20 Dec 2016 08:22

Tgt Ion	Ratio	Lower	Upper
178	100		
176	42.9	18.1	27.1
179	65.6	14.7	22.1





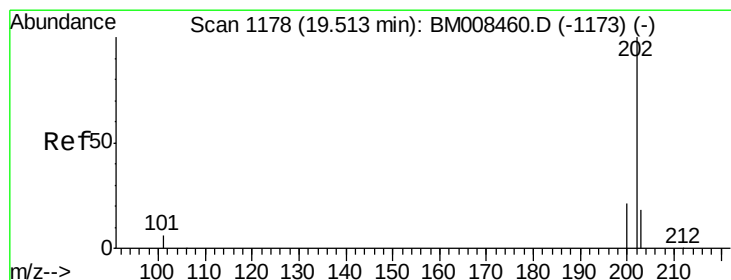
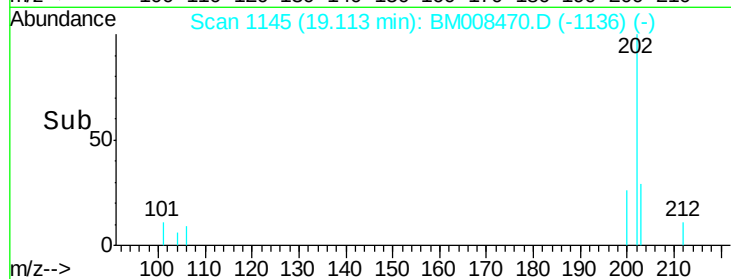
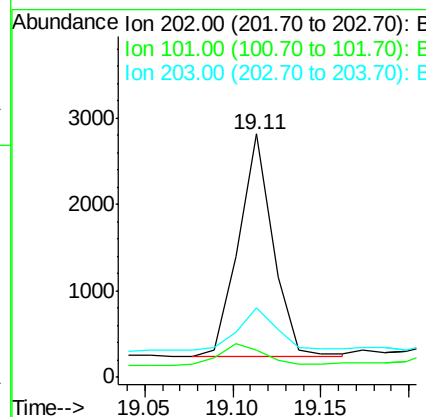
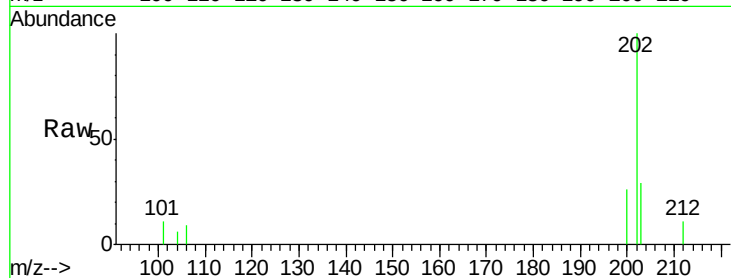
#15
Fluoranthene
 Concen: 0.49 ng/ul
 RT: 19.11 min Scan# 1145
 Delta R.T. -0.04 min
 Lab File: BM008470.D
 Acq: 20 Dec 2016 08:22

Instrument :
 BNA_M
 ClientSampleId :
 DA852

Tot Ion:	202	Resp:	3520
Ion Ratio	Lower	Upper	
202	100		
101	11.3	0.0	30.3
203	28.6	0.0	39.5

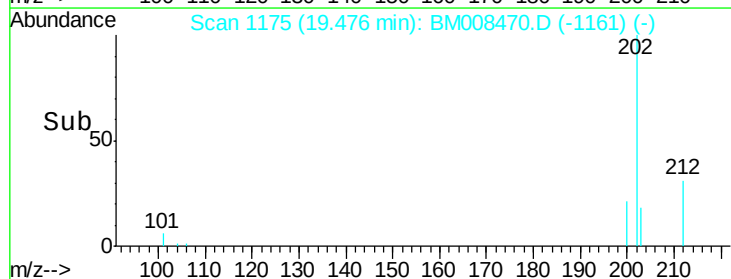
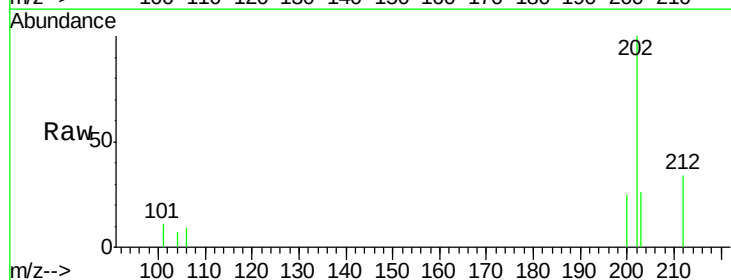
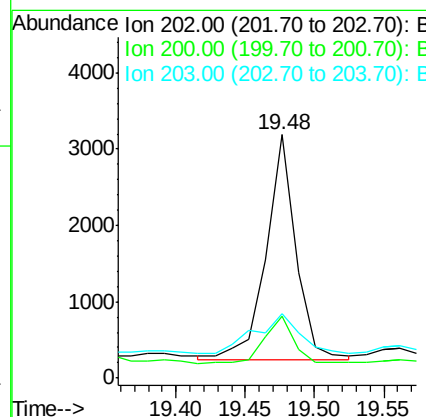
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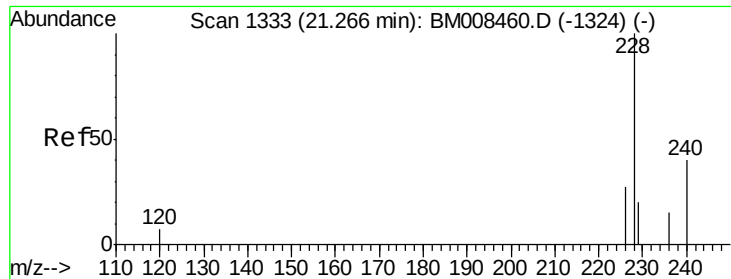
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#17
Pyrene
 Concen: 0.69 ng/ul m
 RT: 19.48 min Scan# 1175
 Delta R.T. -0.04 min
 Lab File: BM008470.D
 Acq: 20 Dec 2016 08:22

Tgt Ion:	202	Resp:	4451
Ion Ratio	Lower	Upper	
202	100		
200	25.2	18.2	27.4
203	26.3	15.6	23.4#





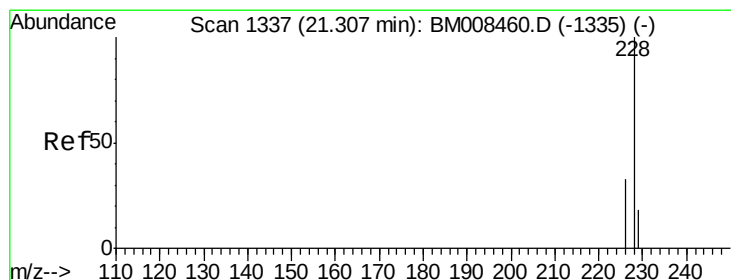
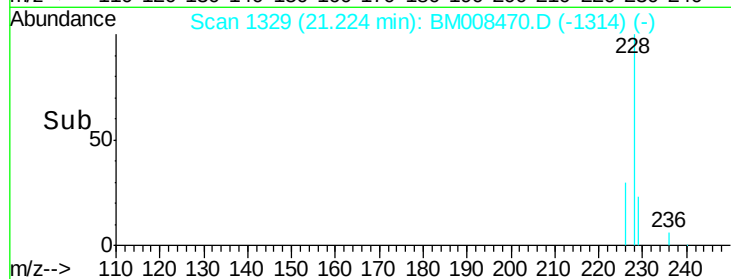
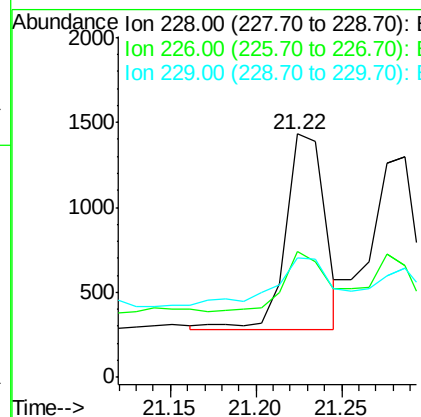
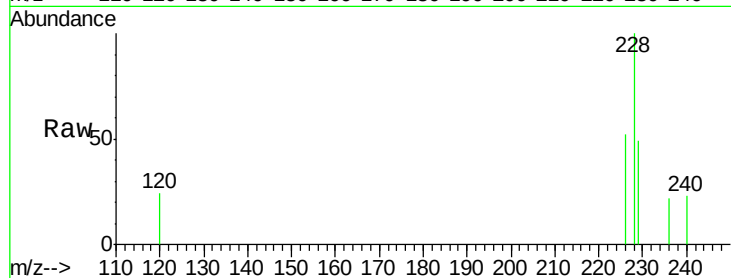
#18
Benzo(a)anthracene
Concen: 0.33 ng/ul m
RT: 21.22 min Scan# 1329
Delta R.T. -0.04 min
Lab File: BM008470.D
Acq: 20 Dec 2016 08:22

Instrument :
BNA_M
ClientSampled :
DA852

Tot Ion	Ratio	Lower	Upper
228	100		
226	51.8	22.8	34.2#
229	48.9	17.0	25.6#

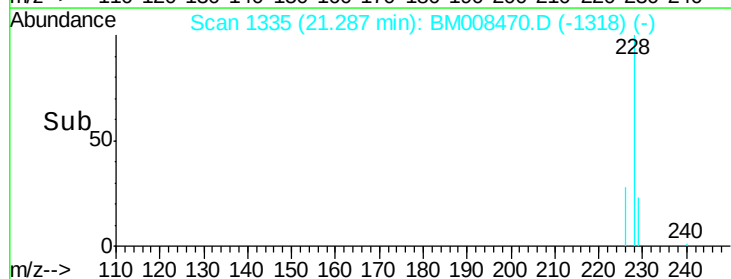
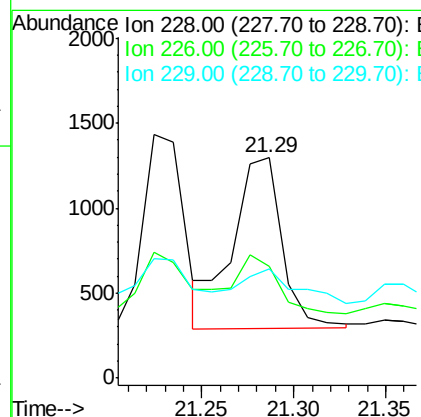
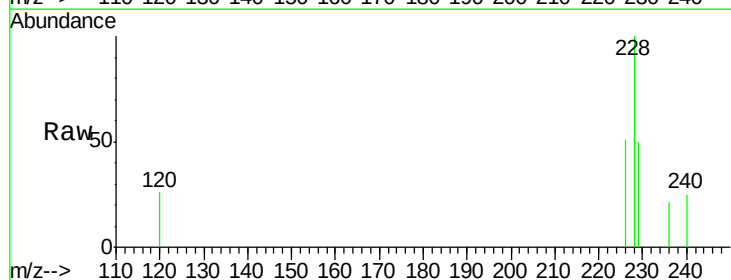
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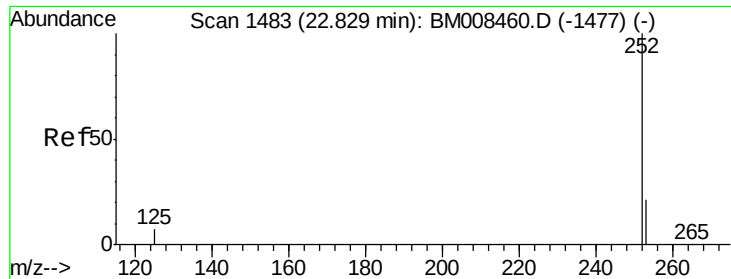
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#19
Chrysene
Concen: 0.32 ng/ul m
RT: 21.29 min Scan# 1335
Delta R.T. -0.02 min
Lab File: BM008470.D
Acq: 20 Dec 2016 08:22

Tgt Ion	Ratio	Lower	Upper
228	100		
226	50.7	23.4	35.0#
229	49.8	17.7	26.5#





#21

Benzo(b)fluoranthene

Concen: 0.34 ng/ul m

RT: 22.81 min Scan# 1481

Delta R.T. -0.02 min

Lab File: BM008470.D

Acq: 20 Dec 2016 08:22

Instrument :

BNA_M

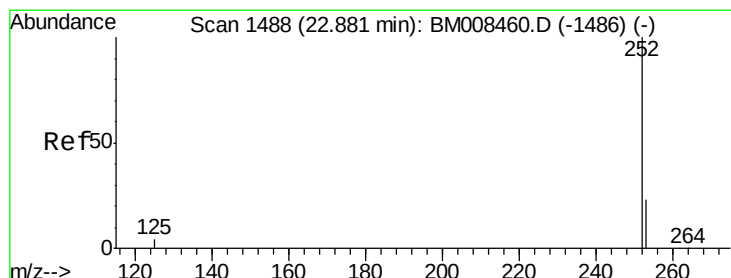
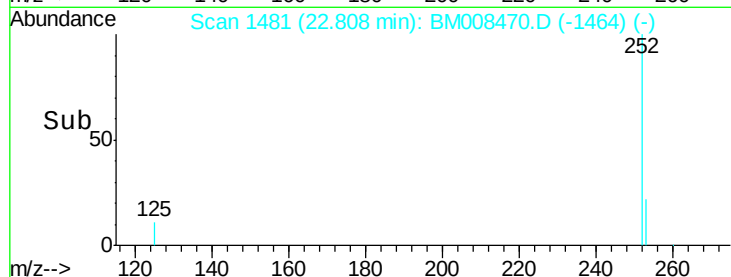
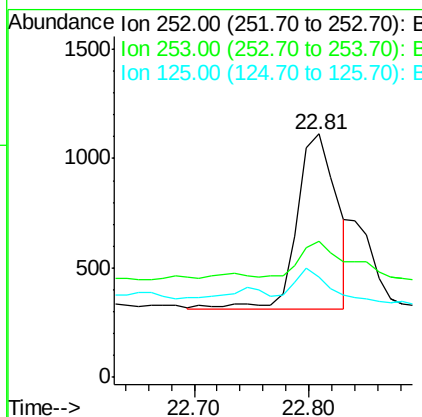
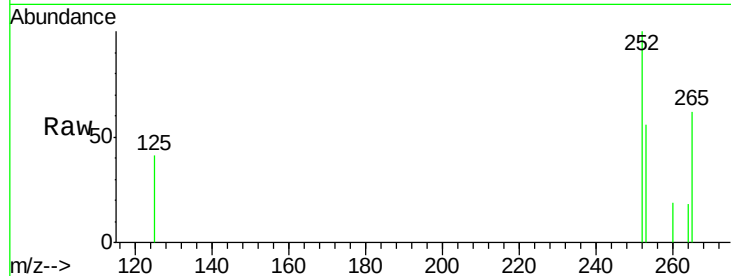
ClientSampled :

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Tot Ion	Ratio	Lower	Upper
252	100		
253	56.1	0.0	64.2
125	41.4	0.0	35.0

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#22

Benzo(k)fluoranthene

Concen: 0.11 ng/ul m

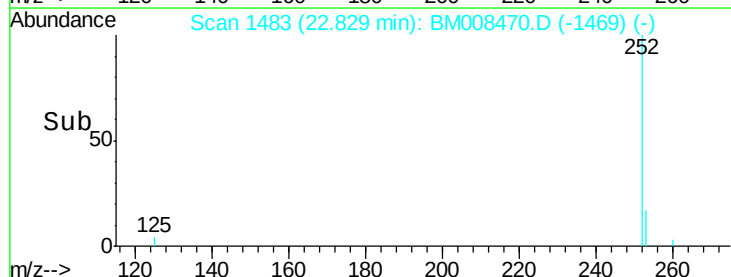
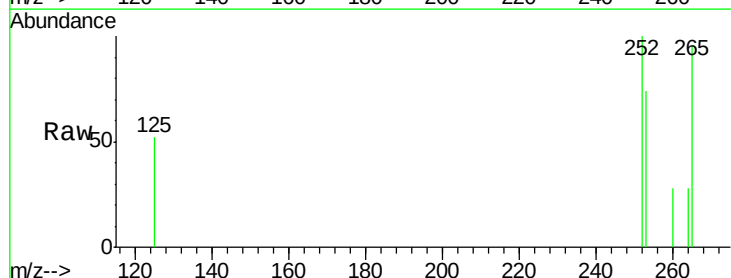
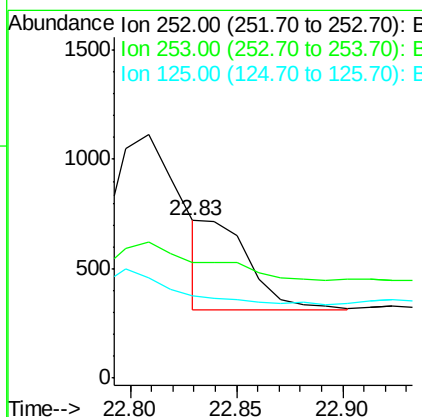
RT: 22.83 min Scan# 1483

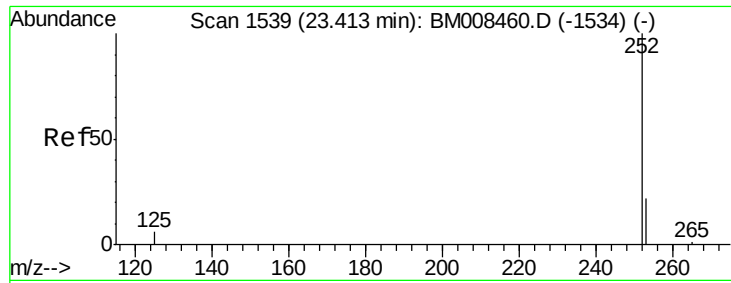
Delta R.T. -0.05 min

Lab File: BM008470.D

Acq: 20 Dec 2016 08:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	73.5	24.5	36.7
125	51.9	13.7	20.5





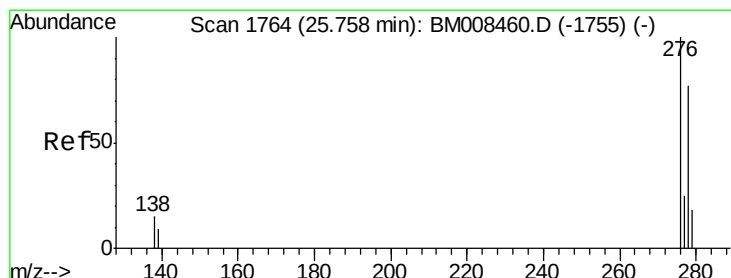
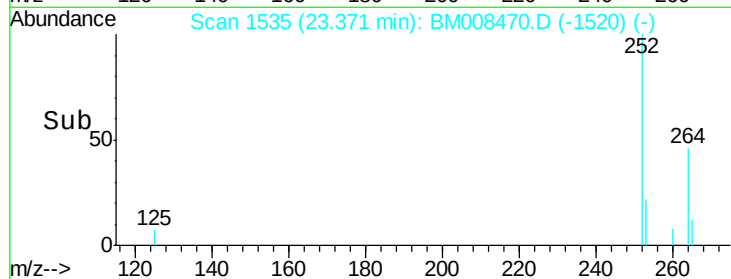
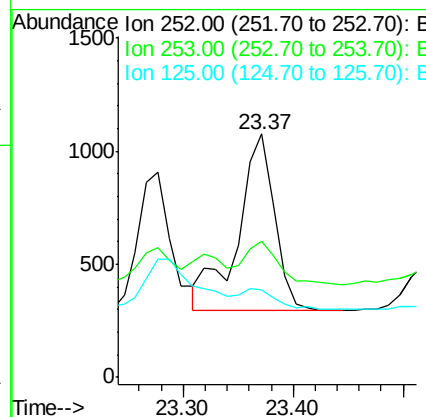
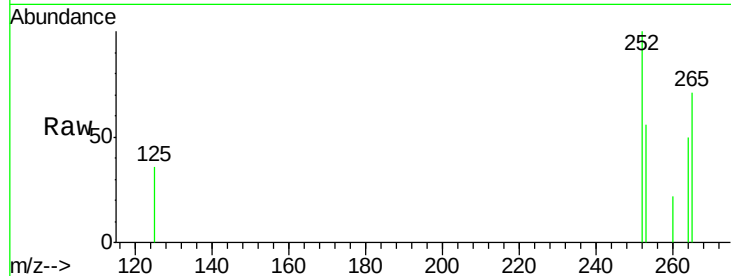
#23
Benzo(a)pyrene
Concen: 0.35 ng/ul
RT: 23.37 min Scan# 1535
Delta R.T. -0.04 min
Lab File: BM008470.D
Acq: 20 Dec 2016 08:22

Instrument :
BNA_M
ClientSampleId :
DA852

Tot Ion	Ratio	Lower	Upper
252	100		
253	55.8	28.5	42.7#
125	36.1	18.1	27.1#

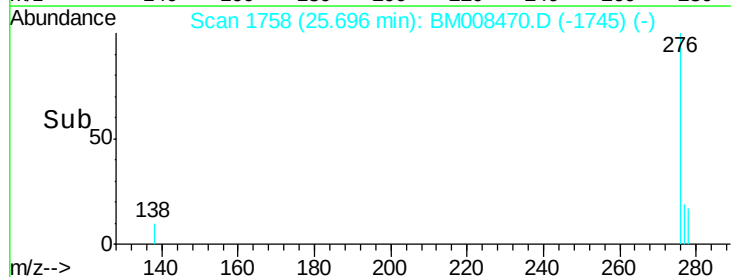
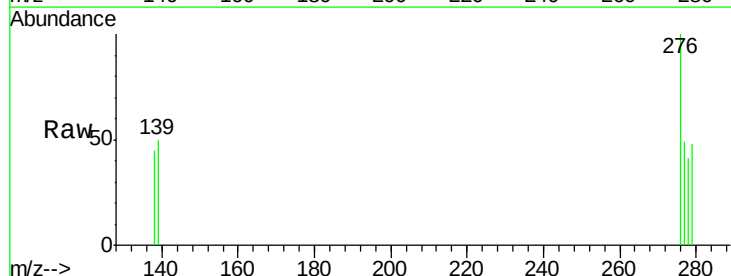
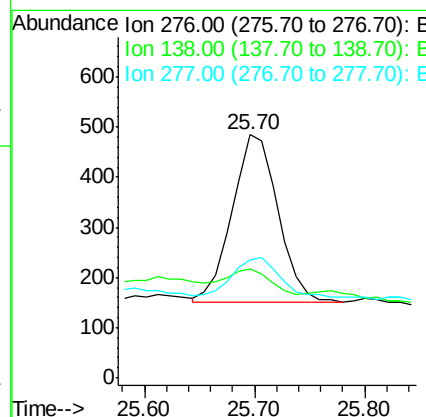
Manual Integrations
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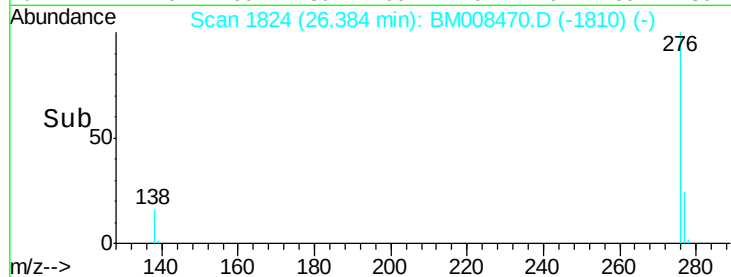
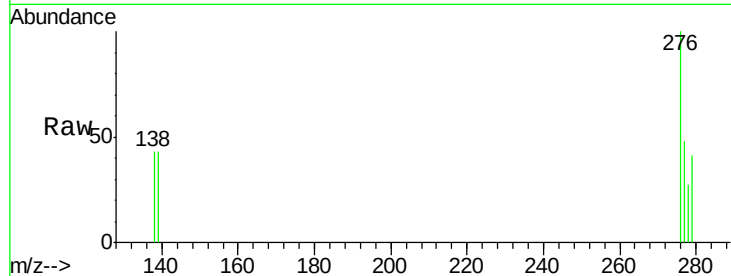
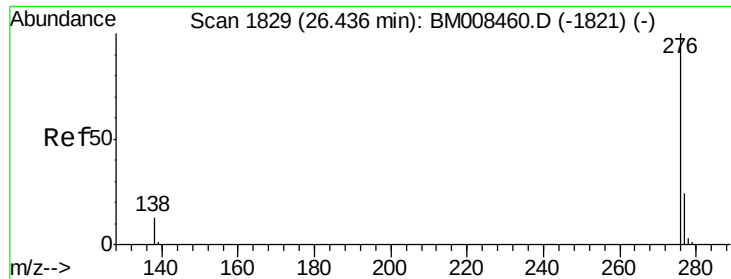
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#24
Indeno(1,2,3-cd)pyrene
Concen: 0.16 ng/ul
RT: 25.70 min Scan# 1758
Delta R.T. -0.06 min
Lab File: BM008470.D
Acq: 20 Dec 2016 08:22

Tgt Ion	Ratio	Lower	Upper
276	100		
138	15.0	19.1	28.7#
277	28.2	19.6	29.4





#26
Benzo(a,h,i)perylene
Concen: 0.21 ng/ul
RT: 26.38 min Scan# 1824
Delta R.T. -0.05 min
Lab File: BM008470.D
Acq: 20 Dec 2016 08:22

Tot Ion	Ratio	Resp	Lower	Upper
276	100			
277	48.4	21.8	32.8	
138	43.0	20.5	30.7	

Instrument :
BNA_M
ClientSampleId :
DA852

Manual Integrations
APPROVED

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