

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121916\
 Data File : BM008453.D
 Acq On : 19 Dec 2016 22:14
 Operator : UM/SJ
 Sample : H5938-04
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA826

Manual Integrations
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Quant Time: Dec 20 04:34:06 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 03:40:00 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	433	0.40	ng/ul	-0.05
2) Naphthalene-d8	10.43	136	1484	0.40	ng/ul	-0.06
6) Acenaphthene-d10	14.30	164	936	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.04	188	1726m	0.40	ng/ul	-0.05
16) Chrysene-d12	21.25	240	1855	0.40	ng/ul	-0.03
20) Perylene-d12	23.48	264	1509m	0.40	ng/ul	-0.03
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.04	152	527	0.23	ng/ul	-0.06
14) Fluoranthene-d10	19.08	212	1398m	0.29	ng/ul	-0.04
Target Compounds						Ovalue
3) Naphthalene	10.48	128	1793	0.43	ng/ul	95
5) 2-Methylnaphthalene	12.11	142	1467	0.52	ng/ul	98
8) Acenaphthene	14.35	153	240	0.08	ng/ul#	86
9) Fluorene	15.36	166	283	0.08	ng/ul#	83
12) Phenanthrene	17.09	178	3644	0.69	ng/ul	93
13) Anthracene	17.18	178	920m	0.18	ng/ul	
15) Fluoranthene	19.12	202	6683	1.03	ng/ul	95
17) Pyrene	19.48	202	6570	0.92	ng/ul	97
18) Benzo(a)anthracene	21.23	228	3956m	0.65	ng/ul	
19) Chrysene	21.28	228	4826m	0.72	ng/ul	
21) Benzo(b)fluoranthene	22.80	252	7288m	1.23	ng/ul	
22) Benzo(k)fluoranthene	22.85	252	2177m	0.38	ng/ul	
23) Benzo(a)pyrene	23.38	252	4135m	0.75	ng/ul	
24) Indeno(1,2,3-cd)pyrene	25.71	276	2915m	0.44	ng/ul	
25) Dibenzo(a,h)anthracene	25.71	278	772m	0.15	ng/ul	
26) Benzo(a,h,i)perylene	26.40	276	2936m	0.52	ng/ul	

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

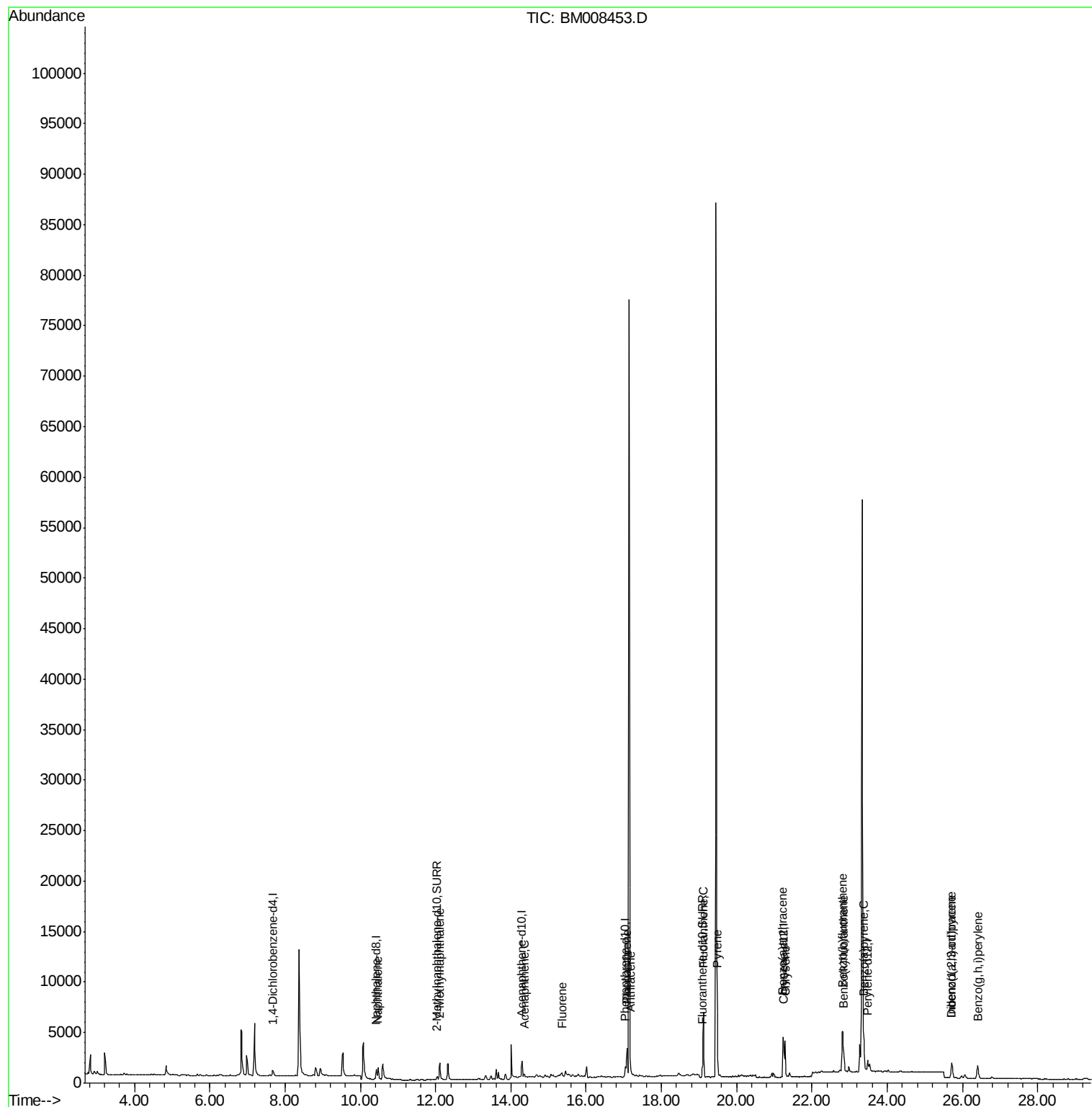
Data Path : Z:\HPCHEM1\BNA M\DATA\BM121916\
Data File : BM008453.D
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Sample : H5938-04
Misc :
ALS Vial : 15 Sample Multiplier: 1

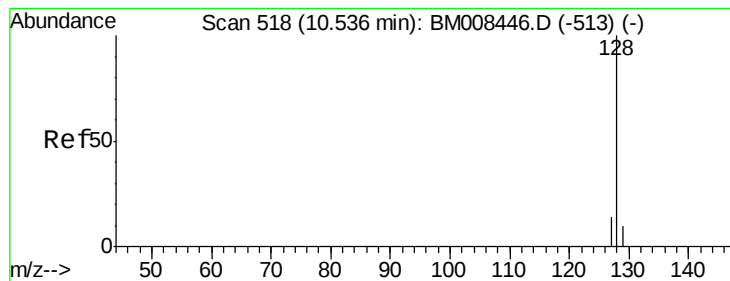
Instrument :
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Quant Time: Dec 20 04:34:06 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM121916.M
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QLast Update : Tue Dec 20 03:40:00 2016
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#3

Naphthalene

Concen: 0.43 ng/ul

RT: 10.48 min Scan# 513

Delta R.T. -0.06 min

Lab File: BM008453.D

Acq: 19 Dec 2016 22:14

Instrument :

BNA_M

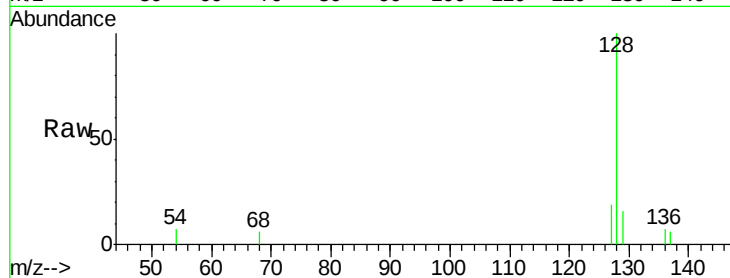
ClientSampleId :

DA826

Tot Ion	Ratio	Lower	Upper
128	100		
129	15.9	11.3	16.9
127	18.5	12.8	19.2

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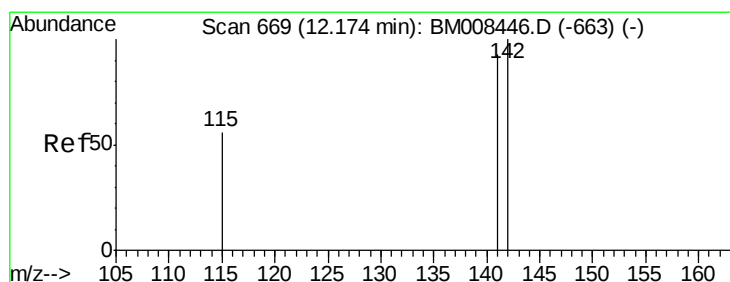
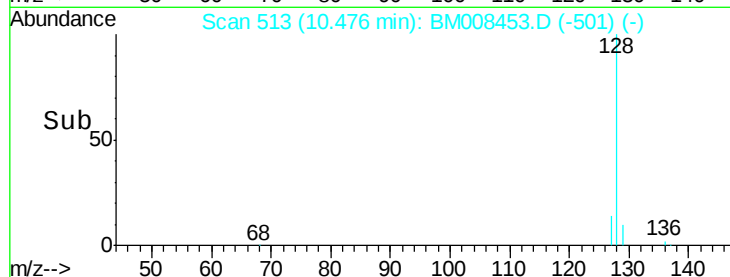
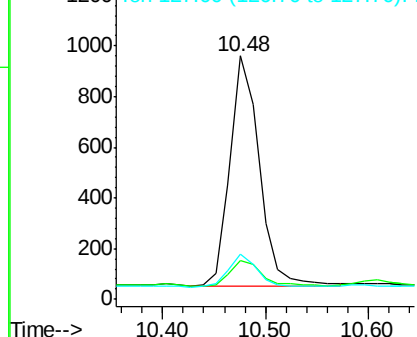
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#5

2-Methylnaphthalene

Concen: 0.52 ng/ul

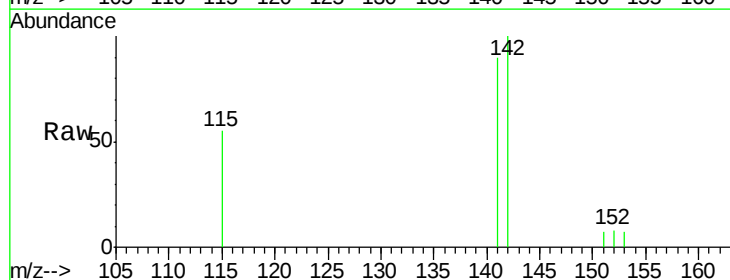
RT: 12.11 min Scan# 663

Delta R.T. -0.06 min

Lab File: BM008453.D

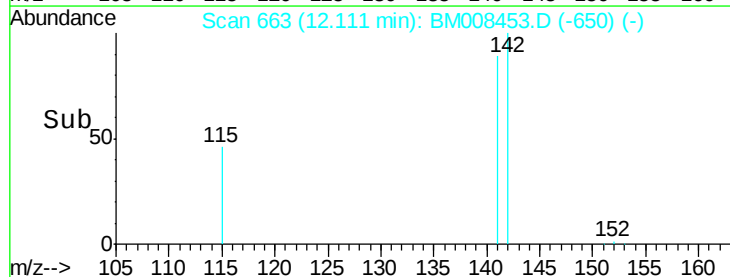
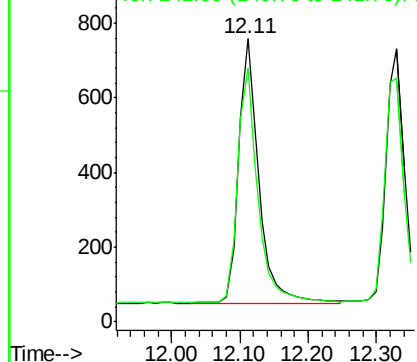
Acq: 19 Dec 2016 22:14

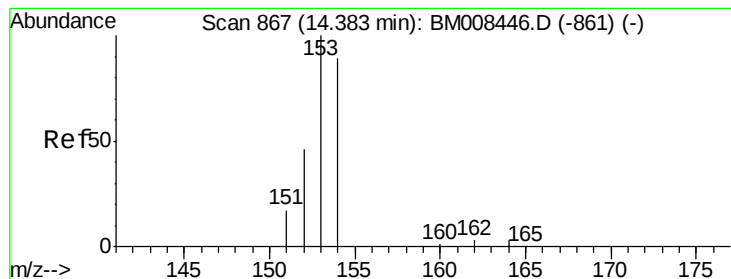
Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.6	72.6	108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#8

Acenaphthene

Concen: 0.08 ng/ul

RT: 14.35 min Scan# 865

Delta R.T. -0.03 min

Lab File: BM008453.D

Acq: 19 Dec 2016 22:14

Instrument :

BNA_M

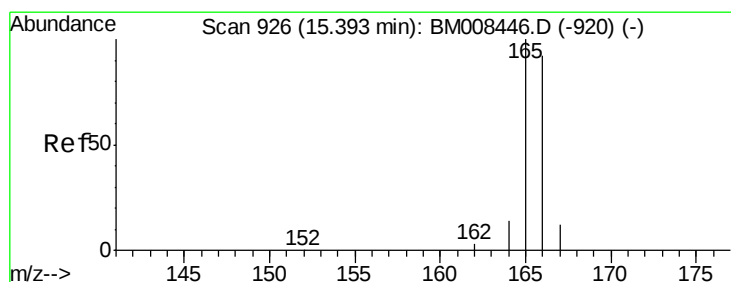
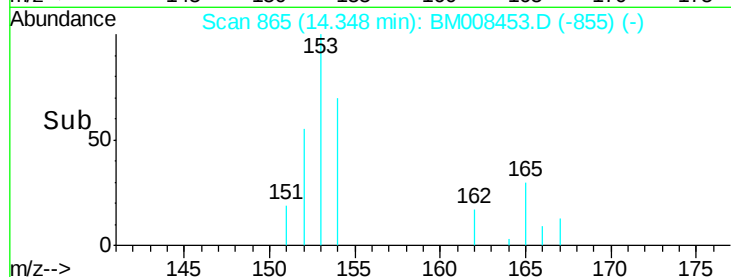
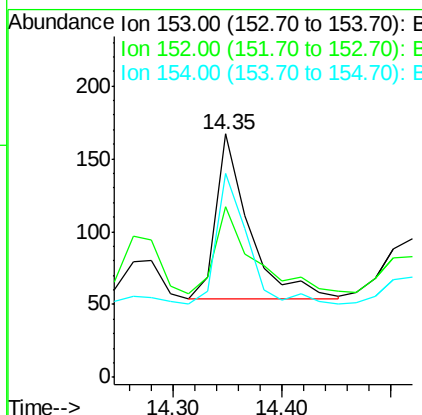
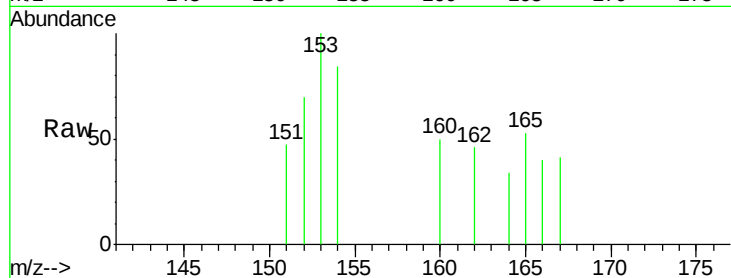
ClientSampleId :

DA826

Tot Ion	Ratio	Lower	Upper
153	100		
152	70.1	40.3	60.5#
154	83.8	71.4	107.2

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#9

Fluorene

Concen: 0.08 ng/ul

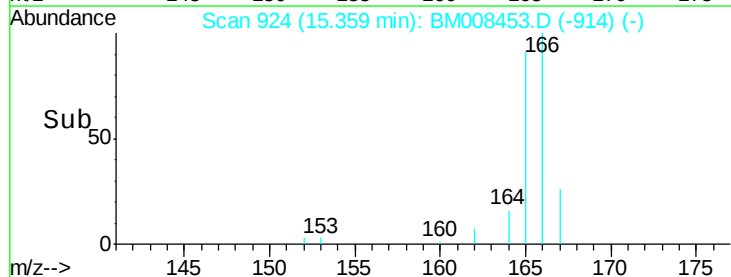
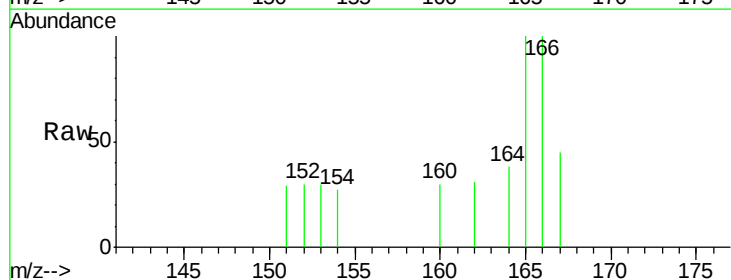
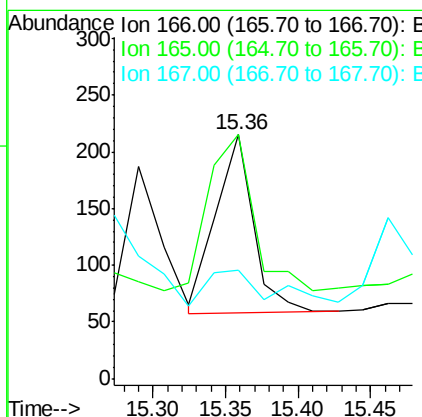
RT: 15.36 min Scan# 924

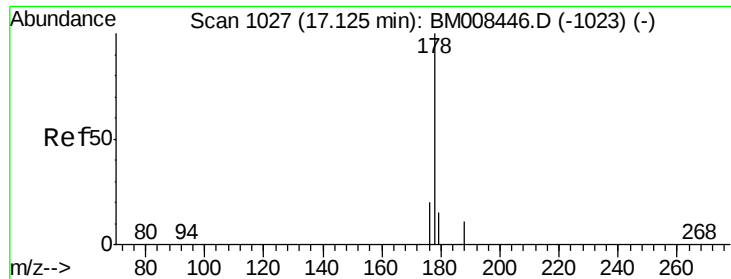
Delta R.T. -0.03 min

Lab File: BM008453.D

Acq: 19 Dec 2016 22:14

Tgt Ion	Ratio	Lower	Upper
166	100		
165	100.0	73.4	110.2
167	44.7	14.6	22.0#





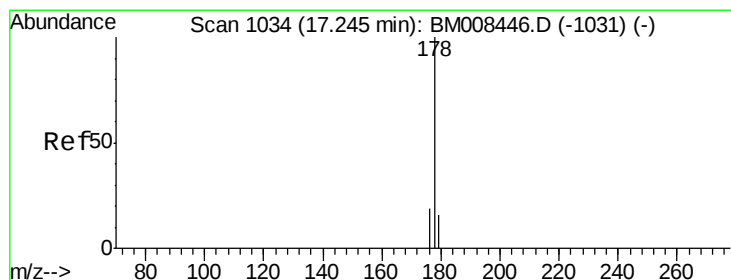
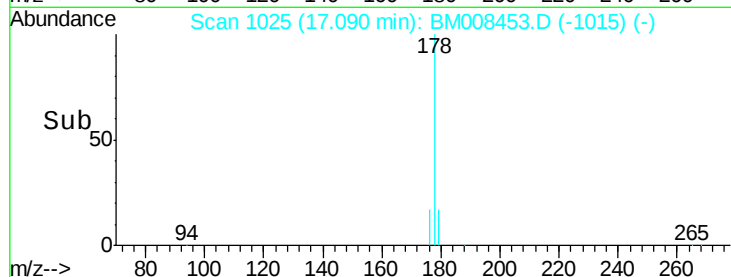
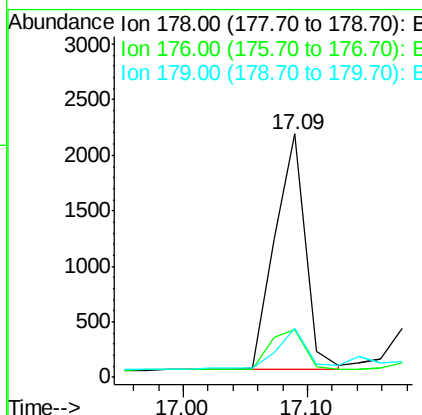
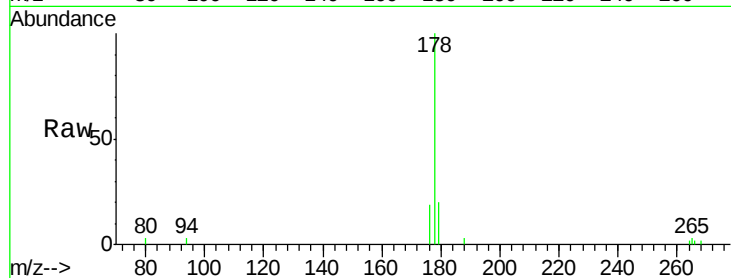
#12
Phenanthrene
Concen: 0.69 ng/ul
RT: 17.09 min Scan# 1025
Delta R.T. -0.03 min
Lab File: BM008453.D
Acq: 19 Dec 2016 22:14

Instrument :
BNA_M
ClientSampled :
DA826

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	18.4	27.6
179	19.9	13.6	20.4

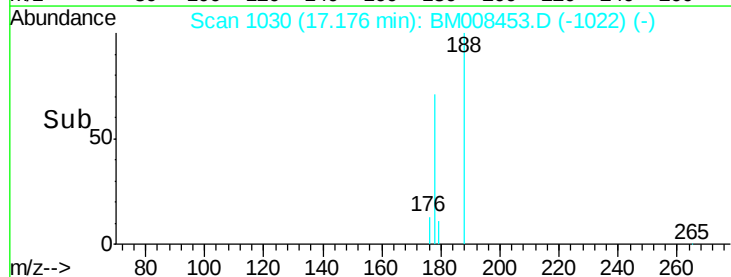
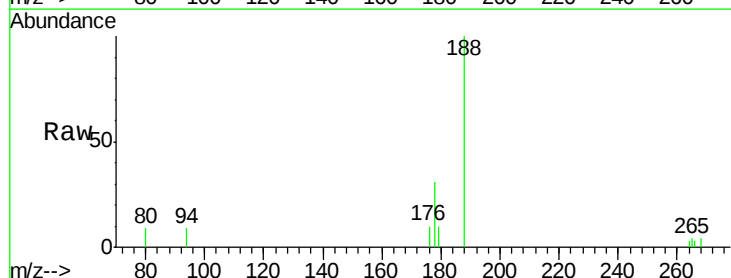
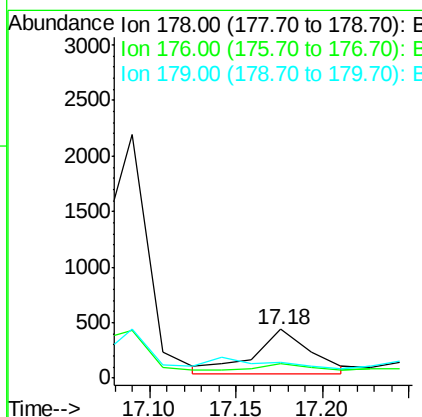
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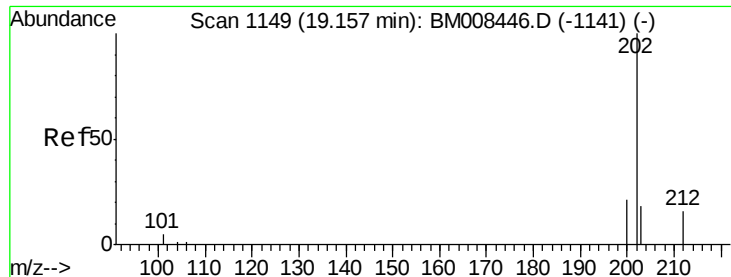
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#13
Anthracene
Concen: 0.18 ng/ul m
RT: 17.18 min Scan# 1030
Delta R.T. -0.07 min
Lab File: BM008453.D
Acq: 19 Dec 2016 22:14

Tgt Ion	Ratio	Lower	Upper
178	100		
176	30.9	18.1	27.1#
179	33.0	14.7	22.1#





#15

Fluoranthene

Concen: 1.03 ng/ul

RT: 19.12 min Scan# 1146

Delta R.T. -0.04 min

Lab File: BM008453.D

Acq: 19 Dec 2016 22:14

Instrument :

BNA_M

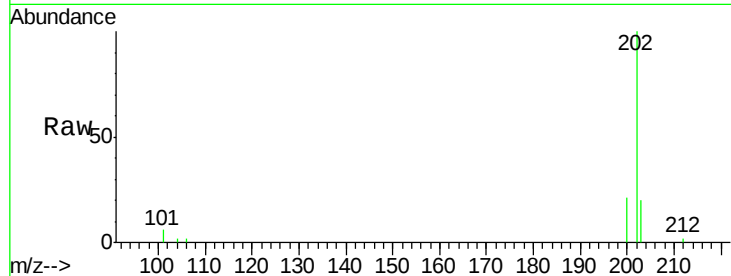
ClientSampleId :

DA826

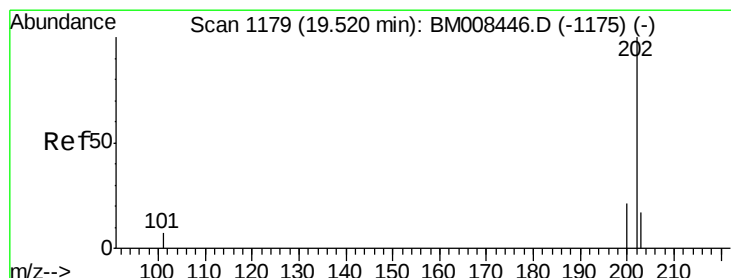
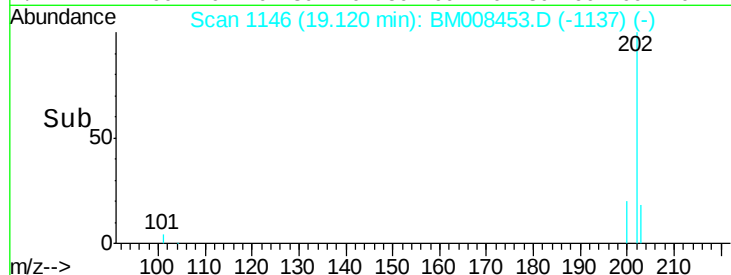
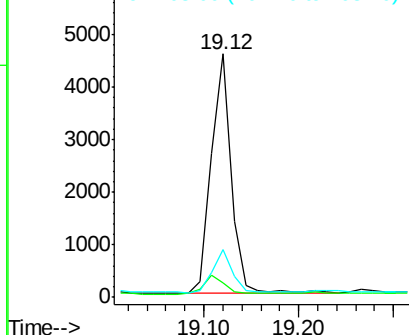
Tot Ion:	202	Resp:	6683
Ion Ratio	Lower	Upper	
202	100		
101	5.9	0.0	30.3
203	19.8	0.0	39.5

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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



#17

Pyrene

Concen: 0.92 ng/ul

RT: 19.48 min Scan# 1176

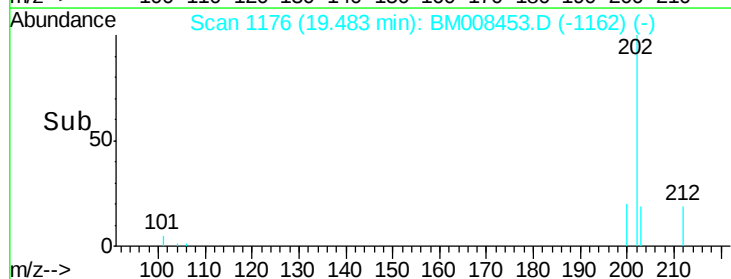
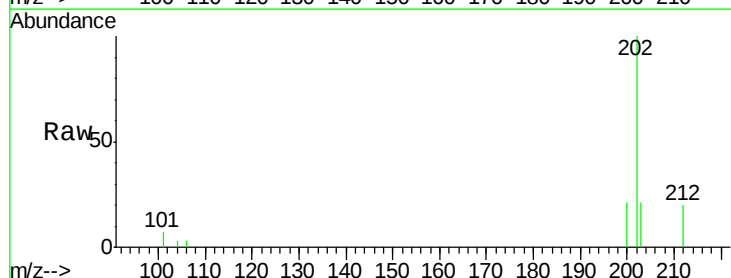
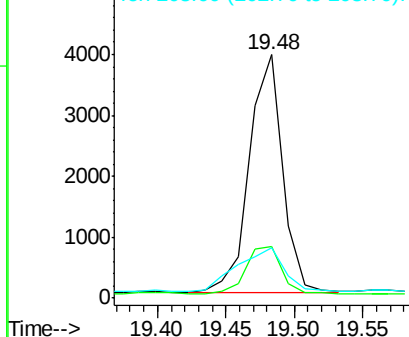
Delta R.T. -0.04 min

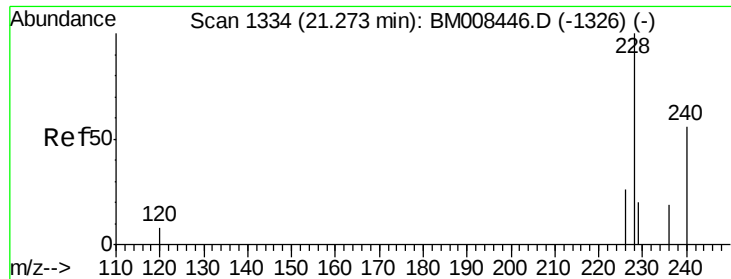
Lab File: BM008453.D

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Tgt Ion:	202	Resp:	6570
Ion Ratio	Lower	Upper	
202	100		
200	21.0	18.2	27.4
203	20.7	15.6	23.4

Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





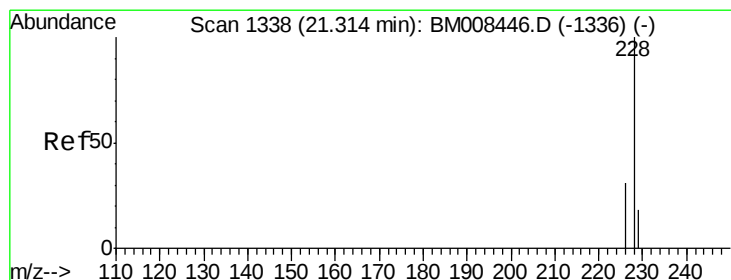
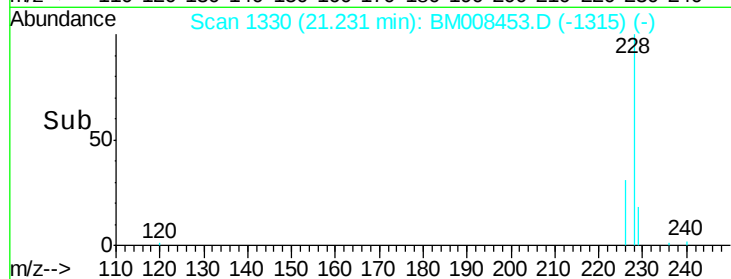
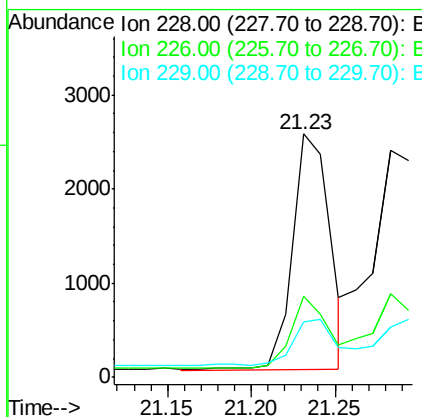
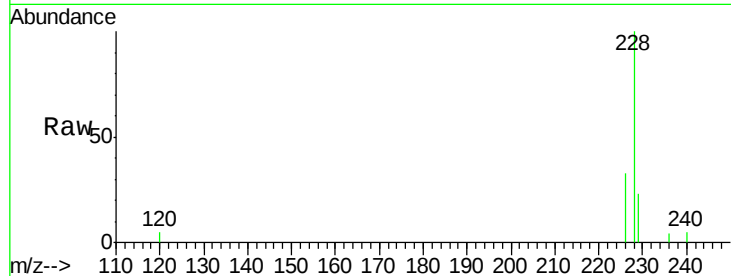
#18
Benzo(a)anthracene
Concen: 0.65 ng/ul m
RT: 21.23 min Scan# 1330
Delta R.T. -0.04 min
Lab File: BM008453.D
Acq: 19 Dec 2016 22:14

Instrument :
BNA_M
ClientSampleId :
DA826

Tot Ion	Ratio	Lower	Upper
228	100		
226	33.1	22.8	34.2
229	22.6	17.0	25.6

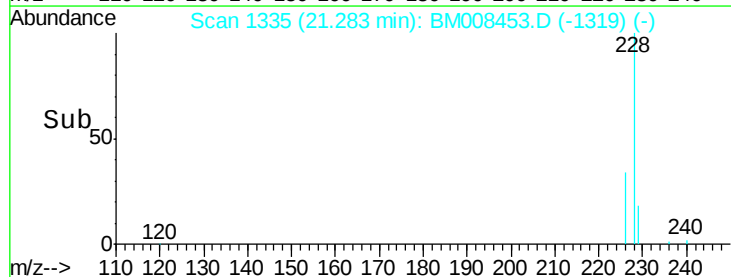
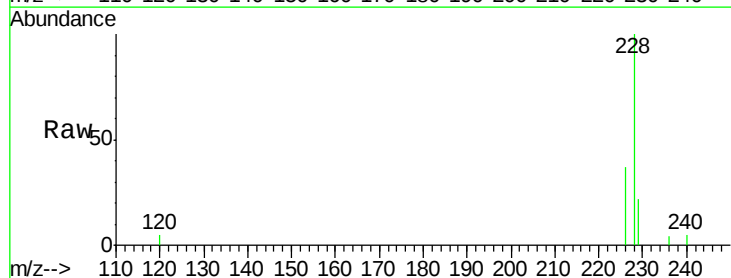
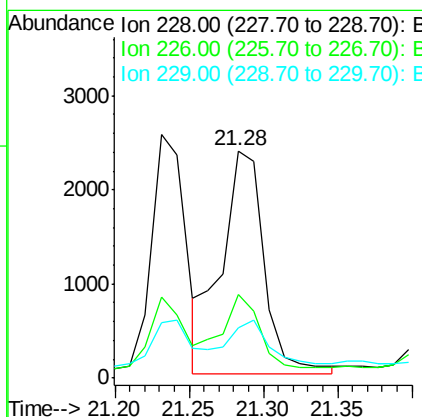
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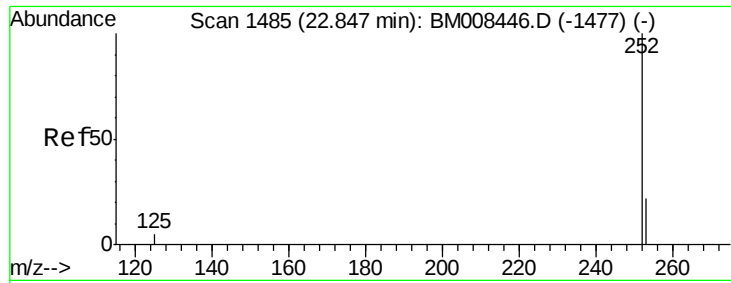
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#19
Chrysene
Concen: 0.72 ng/ul m
RT: 21.28 min Scan# 1335
Delta R.T. -0.03 min
Lab File: BM008453.D
Acq: 19 Dec 2016 22:14

Tgt Ion	Ratio	Lower	Upper
228	100		
226	36.6	23.4	35.0#
229	22.2	17.7	26.5





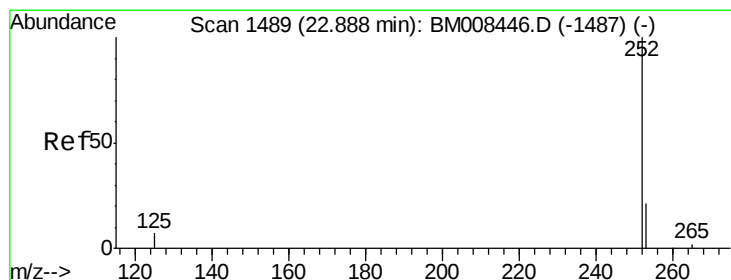
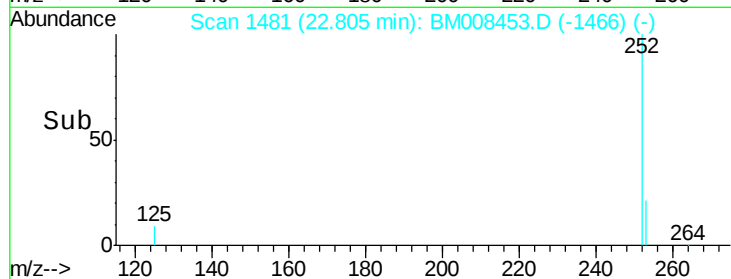
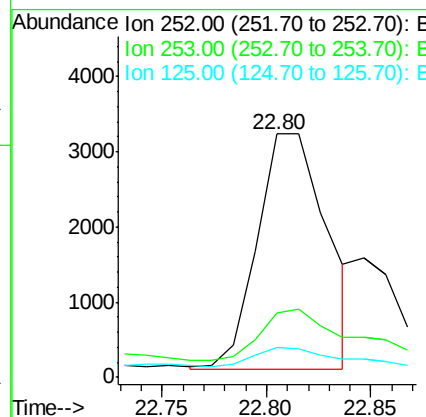
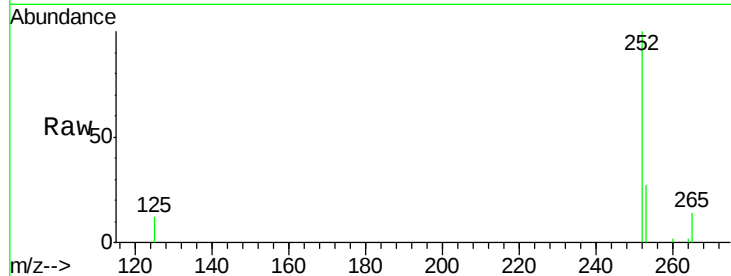
#21
Benzo(b)fluoranthene
Concen: 1.23 ng/ul m
RT: 22.80 min Scan# 1481
Delta R.T. -0.04 min
Lab File: BM008453.D
Acq: 19 Dec 2016 22:14

Instrument :
BNA_M
ClientSampleId :
DA826

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.5	0.0	64.2
125	12.5	0.0	35.0

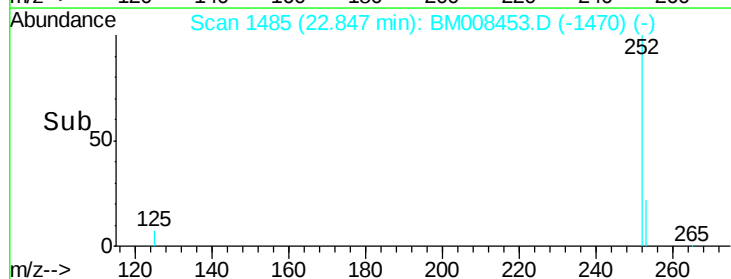
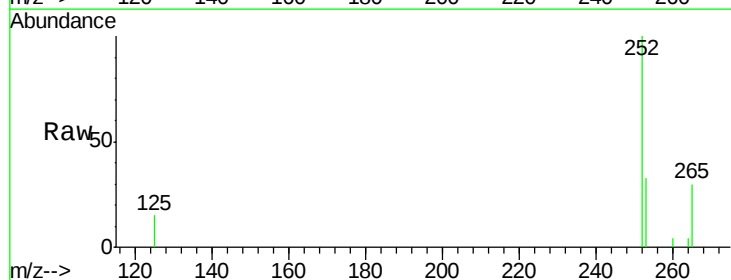
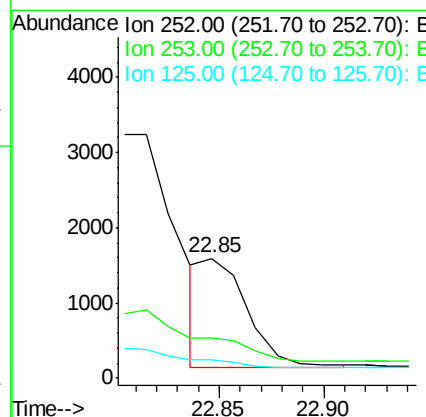
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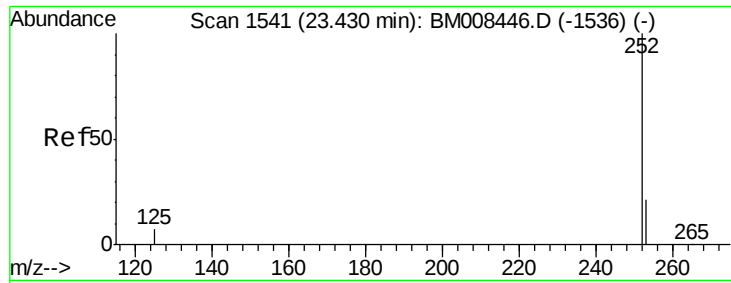
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#22
Benzo(k)fluoranthene
Concen: 0.38 ng/ul m
RT: 22.85 min Scan# 1485
Delta R.T. -0.04 min
Lab File: BM008453.D
Acq: 19 Dec 2016 22:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	33.1	24.5	36.7
125	15.0	13.7	20.5





#23

Benzo(a)pyrene

Concen: 0.75 ng/ul m

RT: 23.38 min Scan# 1536

Delta R.T. -0.05 min

Lab File: BM008453.D

Acq: 19 Dec 2016 22:14

Instrument :

BNA_M

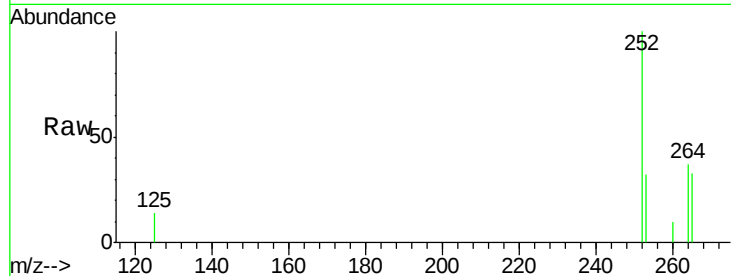
ClientSampleId :

DA826

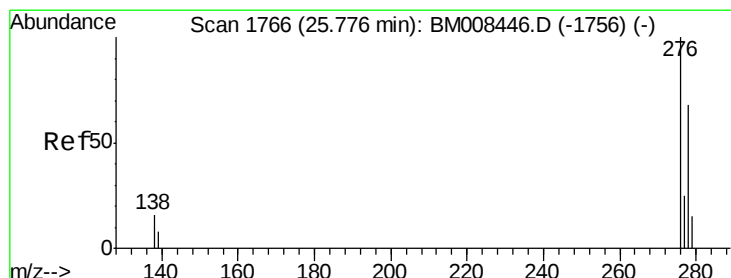
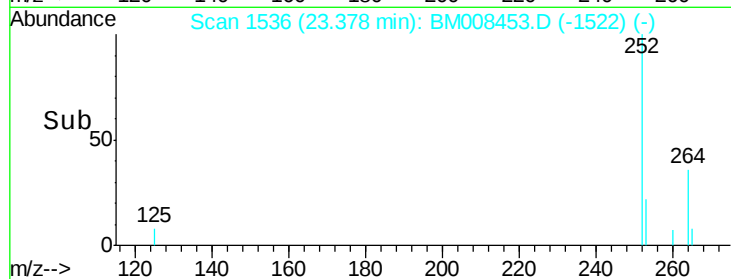
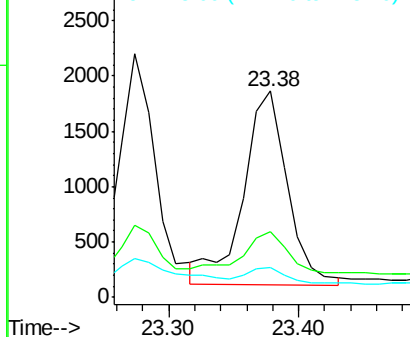
Tot Ion:	252	Resp:	4135
Ion Ratio	Lower	Upper	
252	100		
253	32.1	28.5	42.7
125	14.3	18.1	27.1#

Manual Integrations
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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



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.44 ng/ul m

RT: 25.71 min Scan# 1760

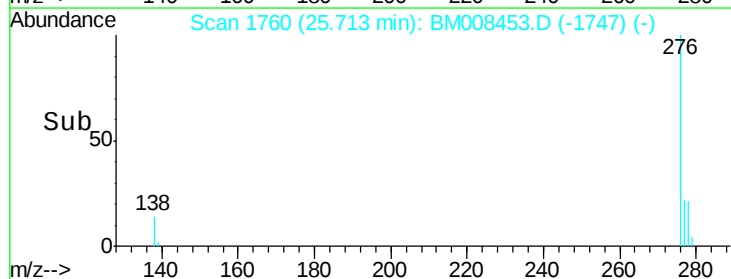
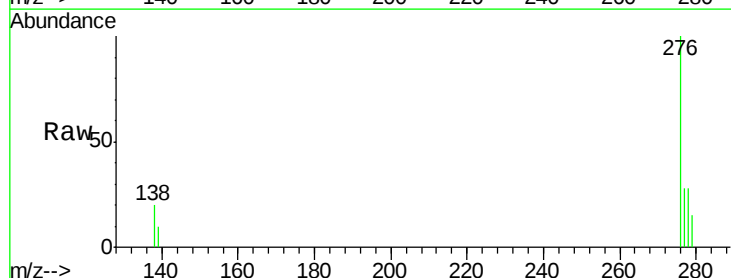
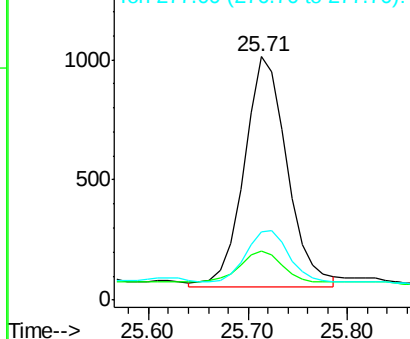
Delta R.T. -0.06 min

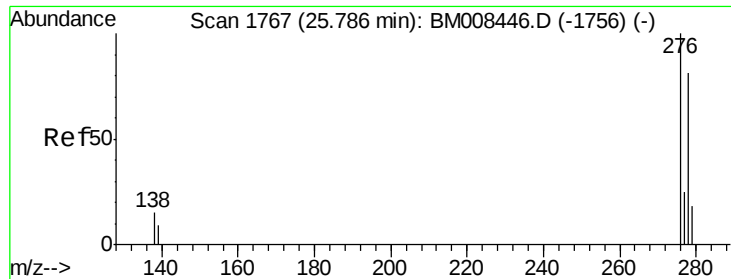
Lab File: BM008453.D

Acq: 19 Dec 2016 22:14

Tgt Ion:	276	Resp:	2915
Ion Ratio	Lower	Upper	
276	100		
138	24.4	19.1	28.7
277	0.0	19.6	29.4#

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





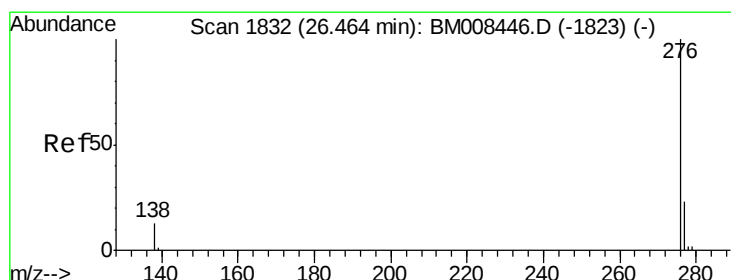
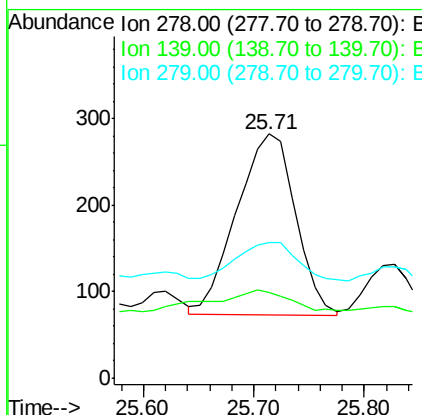
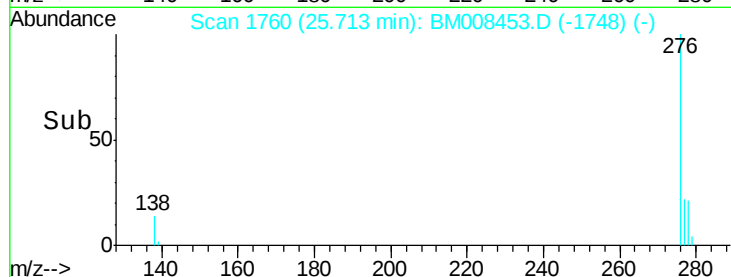
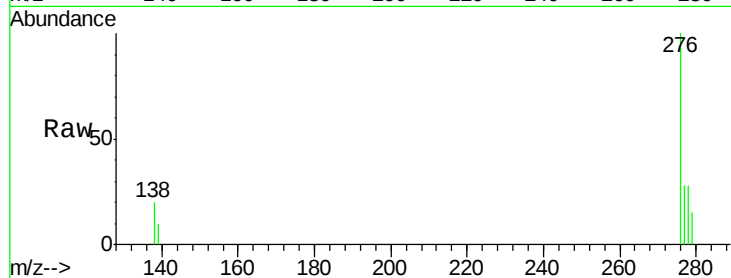
#25
Dibenzo(a,h)anthracene
Concen: 0.15 ng/ul m
RT: 25.71 min Scan# 1760
Delta R.T. -0.07 min
Lab File: BM008453.D
Acq: 19 Dec 2016 22:14

Instrument :
BNA_M
ClientSampleId :
DA826

Tot Ion	Ratio	Lower	Upper
278	100		
139	35.1	17.4	26.0#
279	55.7	25.9	38.9#

Manual Integrations
APPROVED

sohil
12/20/2016 6:31:13 PM



#26
Benzo(g,h,i)perylene
Concen: 0.52 ng/ul m
RT: 26.40 min Scan# 1826
Delta R.T. -0.06 min
Lab File: BM008453.D
Acq: 19 Dec 2016 22:14

Tgt Ion	Ratio	Lower	Upper
276	100		
277	29.0	21.8	32.8
138	20.7	20.5	30.7

