

Data Path : Z:\HPCHEM1\BNA M\DATA\BM112816\
 Data File : BM008086.D
 Acq On : 28 Nov 2016 14:52
 Operator : UM/SJ
 Sample : H5701-23
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4WG0

Manual Integrations
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 11/29/2016 2:22:35 PM

Quant Time: Nov 28 15:39:50 2016
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM112116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 28 14:45:16 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.71	152	672	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.49	136	2302	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.35	164	1395	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.09	188	2974m	0.40	ng/ul	-0.02
16) Chrysene-d12	21.29	240	2779	0.40	ng/ul	0.00
20) Perylene-d12	23.52	264	2413m	0.40	ng/ul	-0.01
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.10	152	826	0.25	ng/ul	0.00
14) Fluoranthene-d10	19.13	212	1855	0.22	ng/ul	0.00
Target Compounds						
					Ovalue	
3) Naphthalene	10.54	128	221	0.03	ng/ul#	46
7) Acenaphthylene	14.06	152	1607	0.25	ng/ul	96
8) Acenaphthene	14.40	153	148	0.03	ng/ul#	90
9) Fluorene	15.39	166	345	0.06	ng/ul#	78
12) Phenanthrene	17.12	178	8577	0.93	ng/ul	97
13) Anthracene	17.23	178	1783	0.21	ng/ul#	93
15) Fluoranthene	19.16	202	21495m	1.80	ng/ul	
17) Pyrene	19.52	202	20765	2.15	ng/ul	96
18) Benzo(a)anthracene	21.27	228	8941	1.05	ng/ul	97
19) Chrysene	21.32	228	9977	0.94	ng/ul	99
21) Benzo(b)fluoranthene	22.85	252	13375m	1.39	ng/ul	
22) Benzo(k)fluoranthene	22.89	252	4467m	0.45	ng/ul	
23) Benzo(a)pyrene	23.42	252	8950m	0.99	ng/ul	
24) Indeno(1,2,3-cd)pyrene	25.78	276	6731m	0.60	ng/ul	
25) Dibenzo(a,h)anthracene	25.78	278	1955m	0.22	ng/ul	
26) Benzo(a,h,i)perylene	26.46	276	6874m	0.69	ng/ul	

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

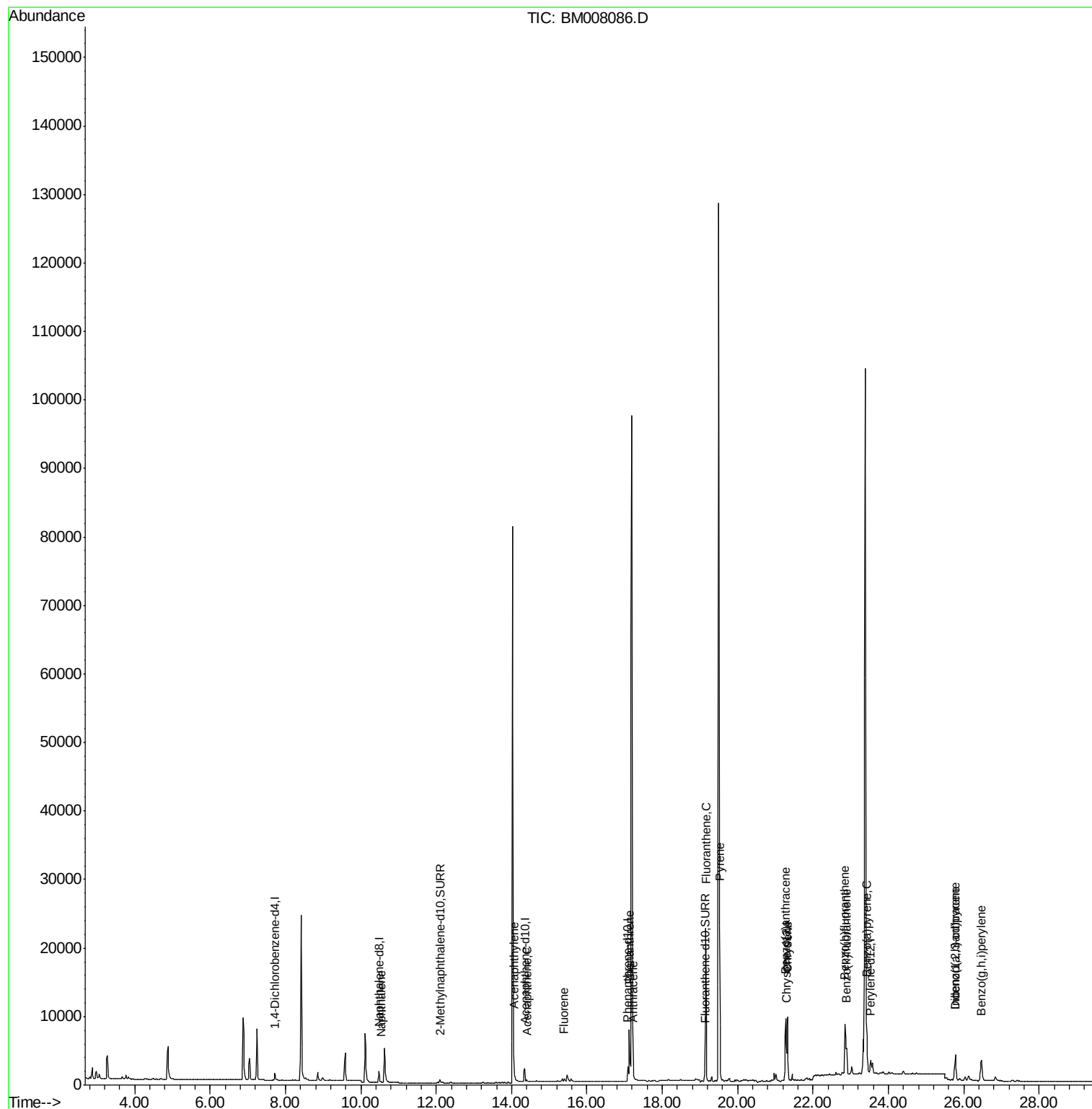
Data Path : Z:\HPCHEM1\BNA M\DATA\BM112816\
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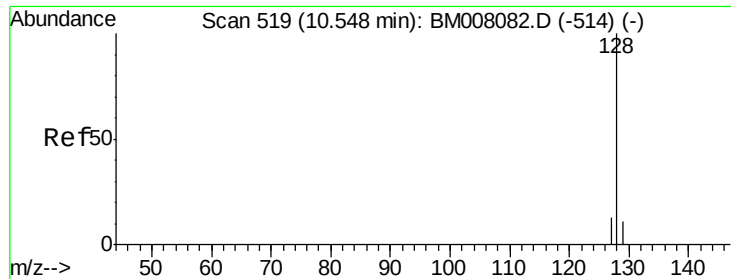
Instrument :
BNA_M
ClientSampleId :
A4WG0

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#3

Naphthalene

Concen: 0.03 ng/ul

RT: 10.54 min Scan# 519

Delta R.T. -0.01 min

Lab File: BM008086.D

Acq: 28 Nov 2016 14:52

Instrument :

BNA_M

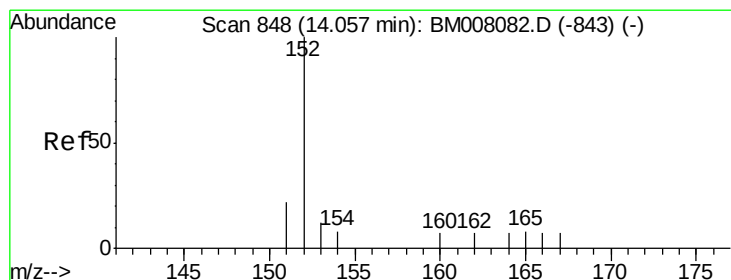
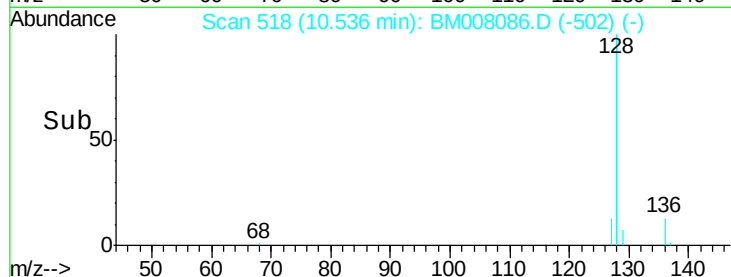
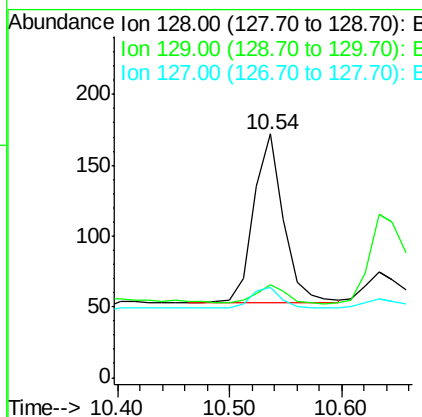
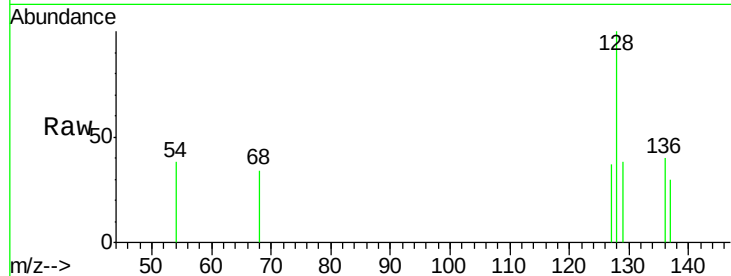
ClientSampled :

A4WG0

Tot Ion:	128	Resp:	221
Ion	Ratio	Lower	Upper
128	100		
129	38.4	11.3	16.9#
127	37.2	12.8	19.2#

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#7

Acenaphthylene

Concen: 0.25 ng/ul

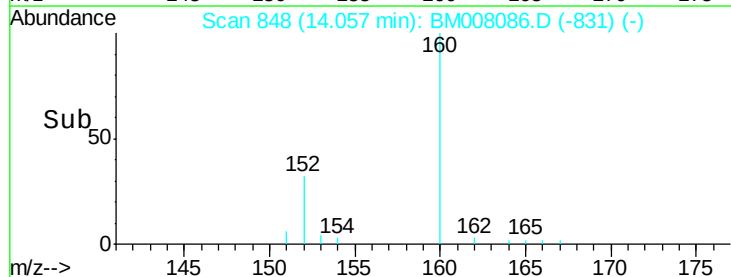
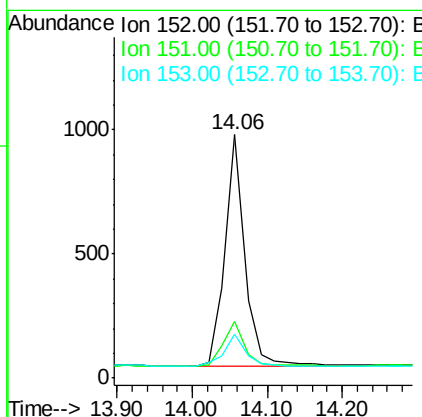
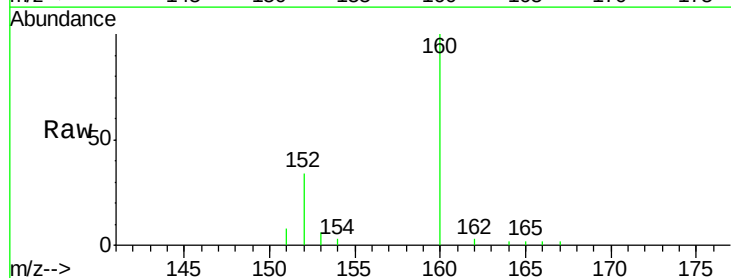
RT: 14.06 min Scan# 848

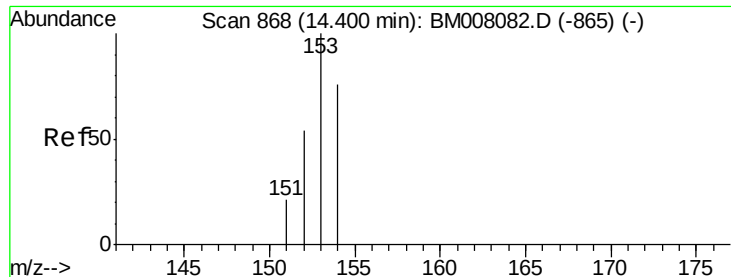
Delta R.T. -0.00 min

Lab File: BM008086.D

Acq: 28 Nov 2016 14:52

Tgt Ion:	152	Resp:	1607
Ion	Ratio	Lower	Upper
152	100		
151	23.1	17.1	25.7
153	17.9	12.8	19.2





#8

Acenaphthene

Concen: 0.03 ng/ul

RT: 14.40 min Scan# 868

Delta R.T. -0.00 min

Lab File: BM008086.D

Acq: 28 Nov 2016 14:52

Instrument :

BNA_M

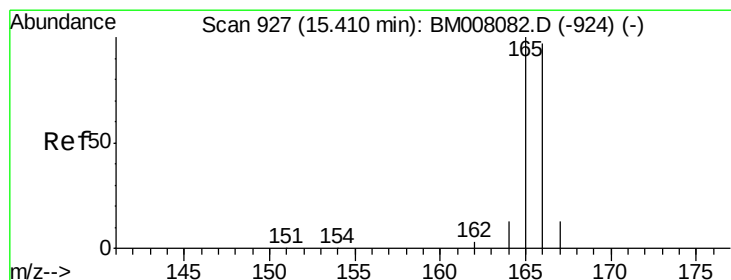
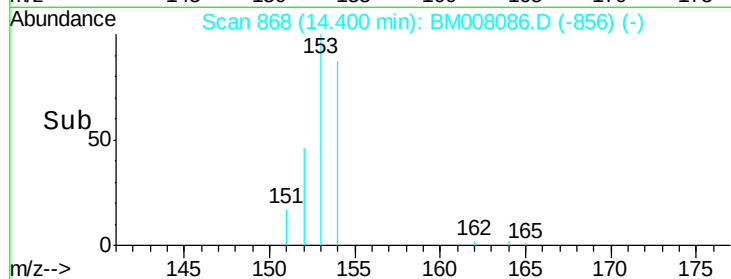
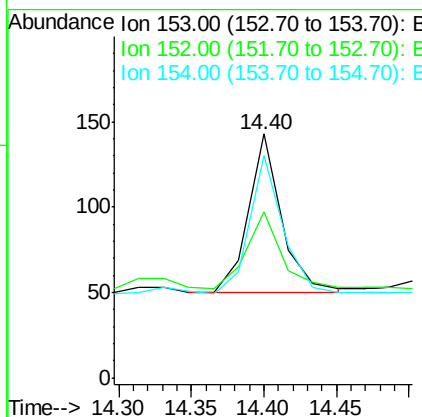
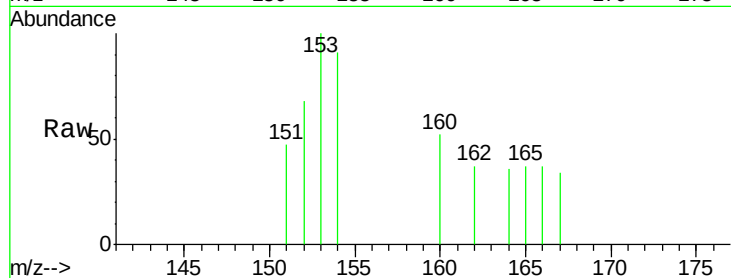
ClientSampleId :

A4WG0

Tot Ion	Ratio	Lower	Upper
153	100		
152	67.8	40.3	60.5#
154	90.9	71.4	107.2

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#9

Fluorene

Concen: 0.06 ng/ul

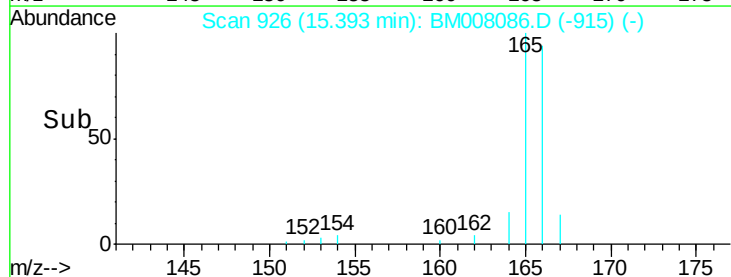
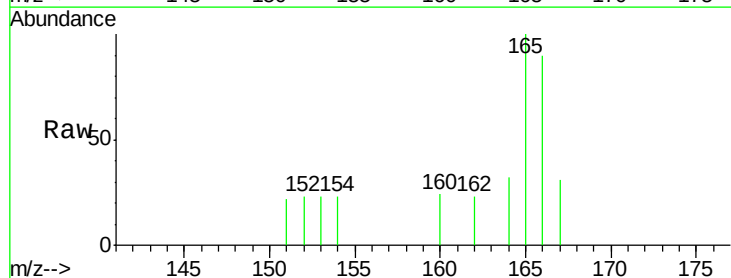
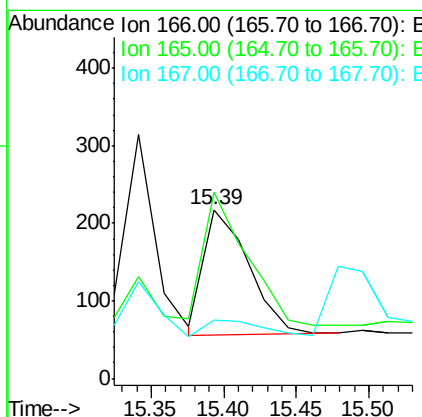
RT: 15.39 min Scan# 926

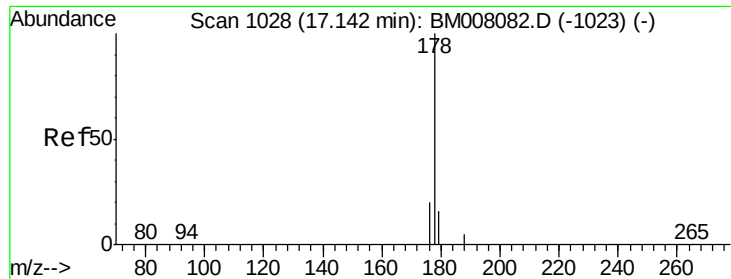
Delta R.T. -0.02 min

Lab File: BM008086.D

Acq: 28 Nov 2016 14:52

Tgt Ion	Ratio	Lower	Upper
166	100		
165	110.6	73.4	110.2#
167	34.4	14.6	22.0#





#12

Phenanthrene

Concen: 0.93 ng/ul

RT: 17.12 min Scan# 1027

Delta R.T. -0.02 min

Lab File: BM008086.D

Acq: 28 Nov 2016 14:52

Instrument :

BNA_M

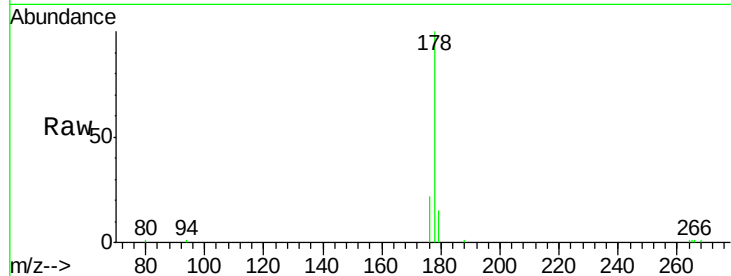
ClientSampleId :

A4WG0

Tot Ion	Ratio	Lower	Upper
178	100		
176	21.5	18.4	27.6
179	15.3	13.6	20.4

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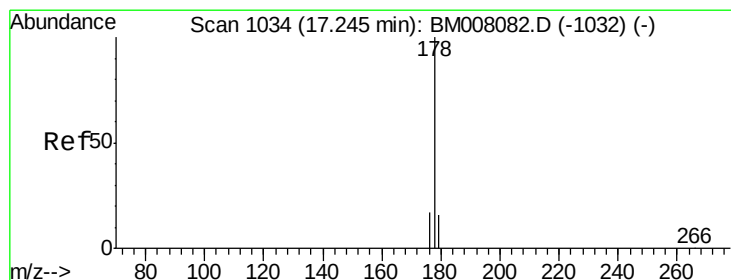
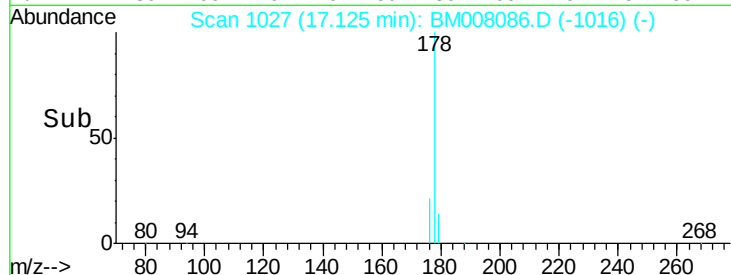
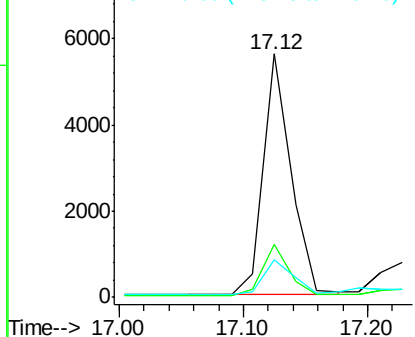
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#13

Anthracene

Concen: 0.21 ng/ul

RT: 17.23 min Scan# 1033

Delta R.T. -0.02 min

Lab File: BM008086.D

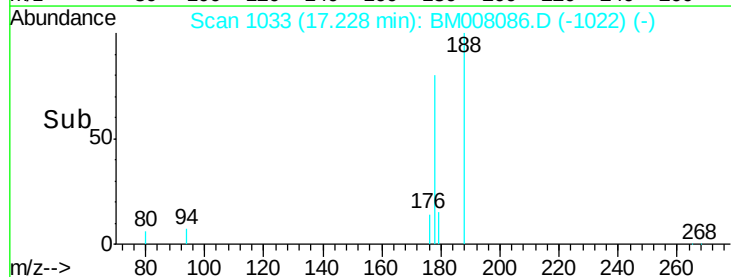
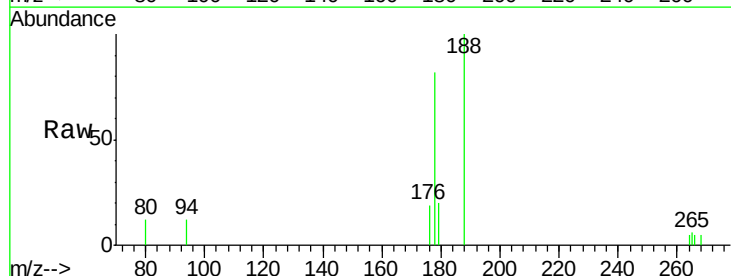
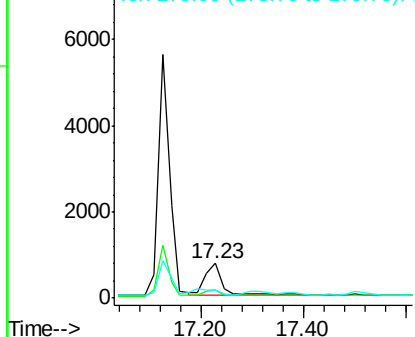
Acq: 28 Nov 2016 14:52

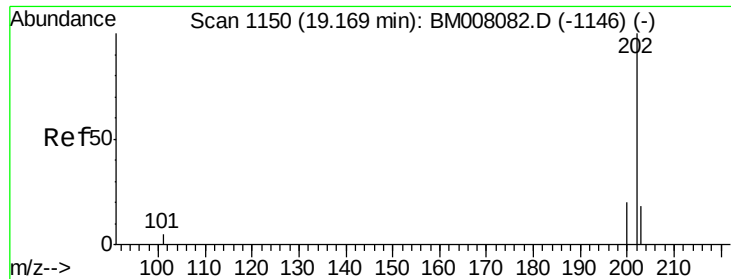
Tgt Ion	Ratio	Lower	Upper
178	100		
176	23.2	18.1	27.1
179	24.8	14.7	22.1#

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





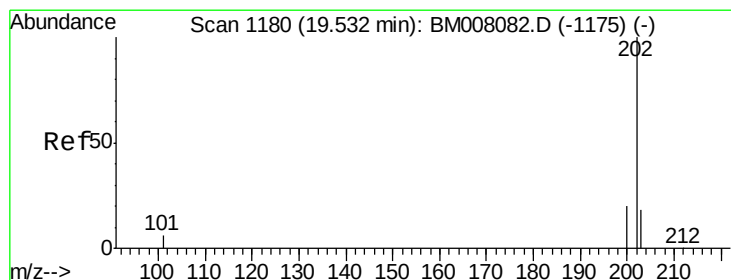
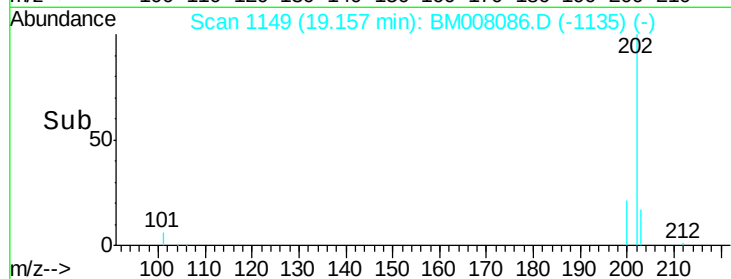
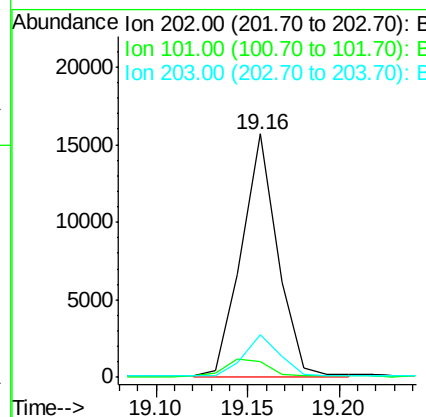
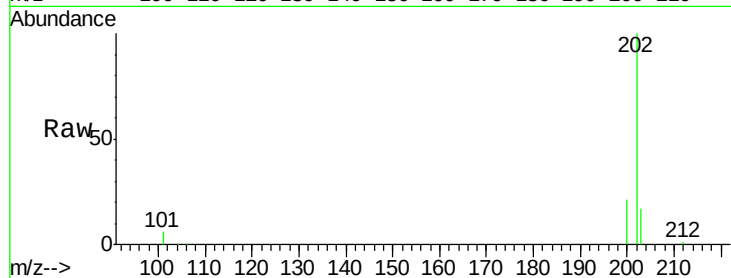
#15
Fluoranthene
Concen: 1.80 ng/ul m
RT: 19.16 min Scan# 1149
Delta R.T. -0.01 min
Lab File: BM008086.D
Acq: 28 Nov 2016 14:52

Instrument :
BNA_M
ClientSampleId :
A4WG0

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	6.3	0.0	30.3
203	17.5	0.0	39.5

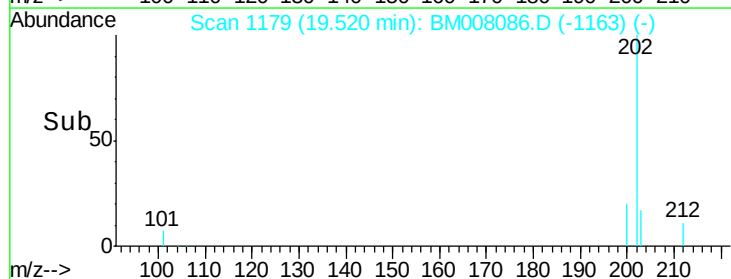
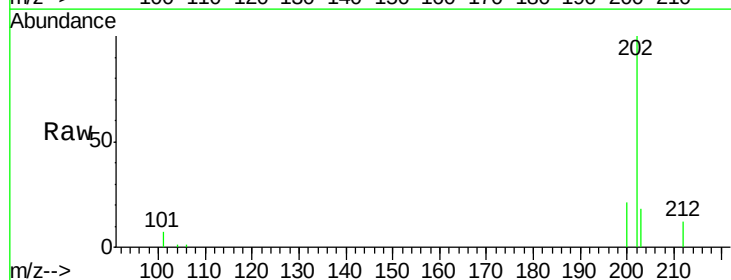
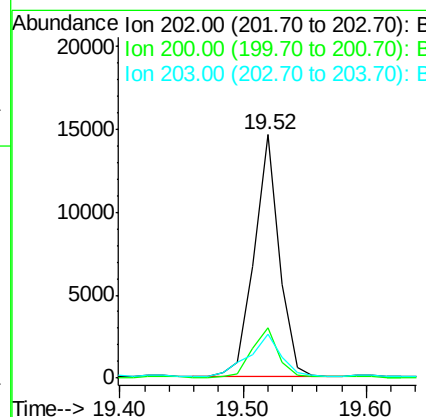
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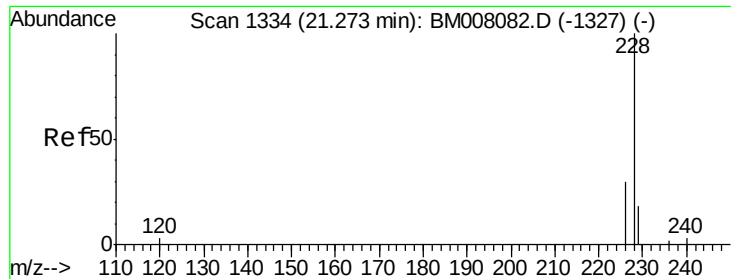
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#17
Pyrene
Concen: 2.15 ng/ul
RT: 19.52 min Scan# 1179
Delta R.T. -0.01 min
Lab File: BM008086.D
Acq: 28 Nov 2016 14:52

Tgt Ion	Ratio	Resp Lower	Upper
202	100		
200	20.7	18.2	27.4
203	18.0	15.6	23.4





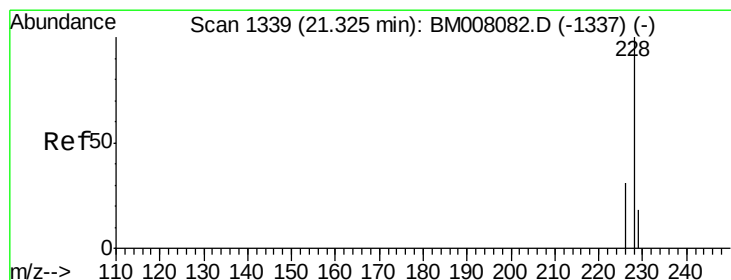
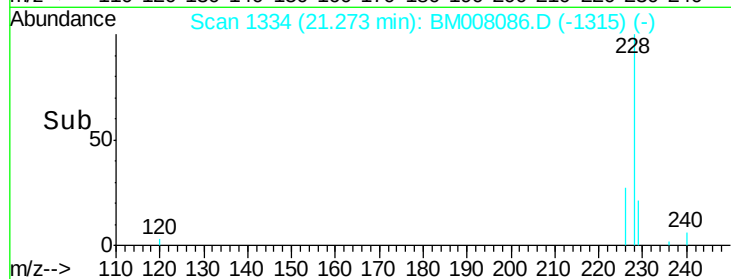
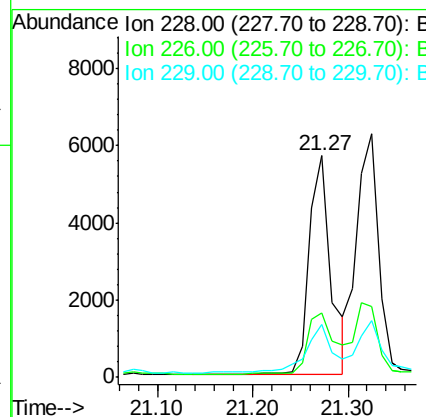
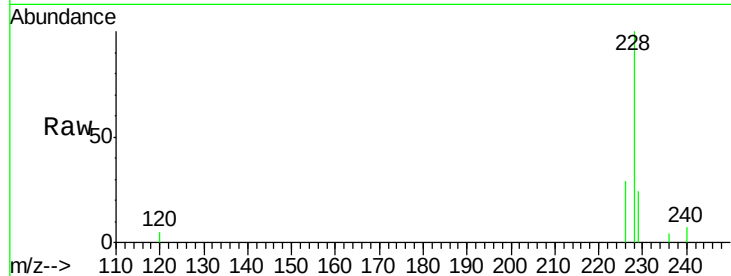
#18
Benzo(a)anthracene
Concen: 1.05 ng/ul
RT: 21.27 min Scan# 1334
Delta R.T. -0.00 min
Lab File: BM008086.D
Acq: 28 Nov 2016 14:52

Instrument :
BNA_M
ClientSampleId :
A4WG0

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.2	22.8	34.2
229	23.7	17.0	25.6

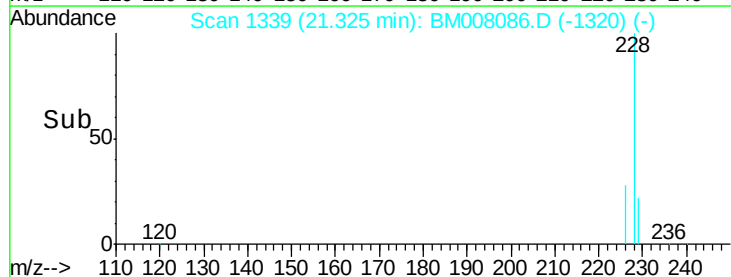
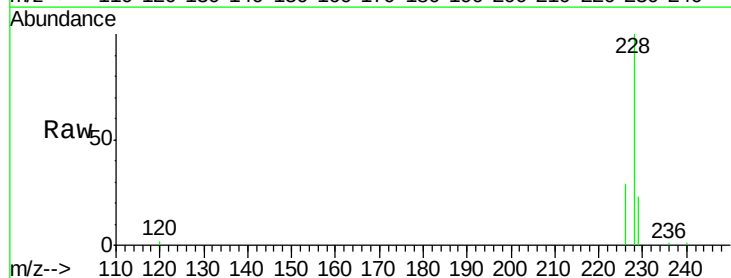
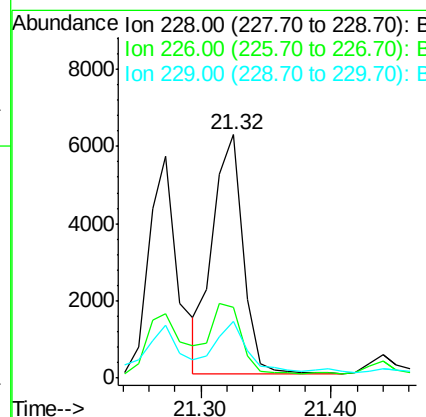
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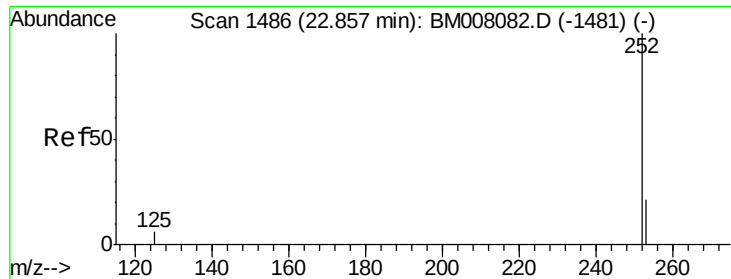
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#19
Chrysene
Concen: 0.94 ng/ul
RT: 21.32 min Scan# 1339
Delta R.T. -0.00 min
Lab File: BM008086.D
Acq: 28 Nov 2016 14:52

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.1	23.4	35.0
229	23.5	17.7	26.5





#21

Benzo(b)fluoranthene

Concen: 1.39 ng/ul m

RT: 22.85 min Scan# 1485

Delta R.T. -0.01 min

Lab File: BM008086.D

Acq: 28 Nov 2016 14:52

Instrument :

BNA_M

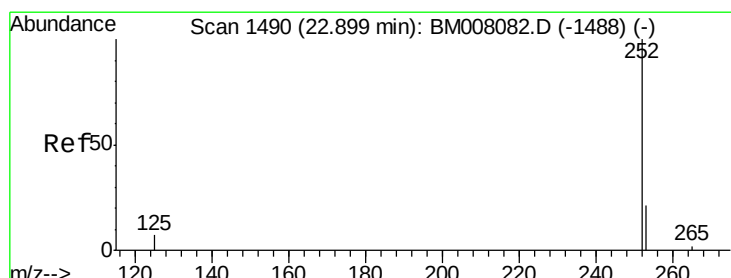
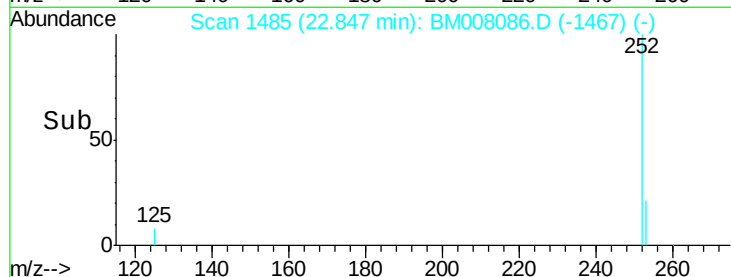
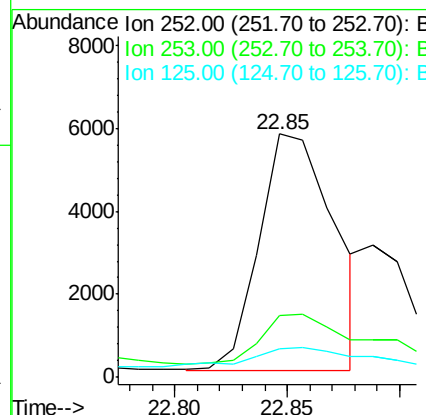
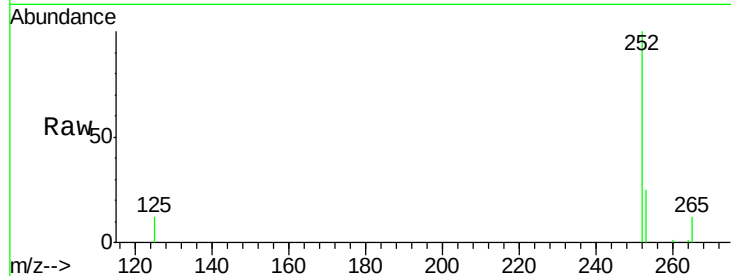
ClientSampleId :

A4WG0

Tot Ion:	252	Resp:	13375
Ion Ratio	Lower	Upper	
252	100		
253	25.4	0.0	64.2
125	11.8	0.0	35.0

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#22

Benzo(k)fluoranthene

Concen: 0.45 ng/ul m

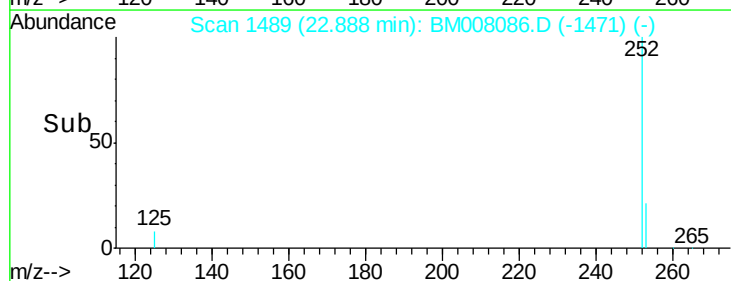
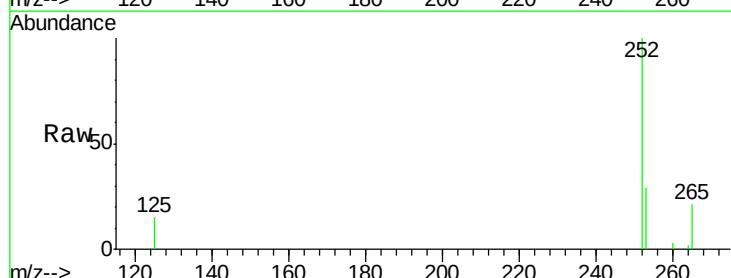
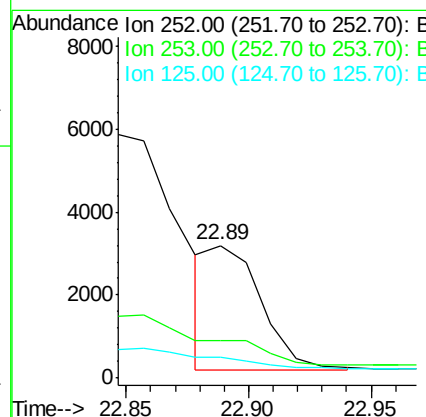
RT: 22.89 min Scan# 1489

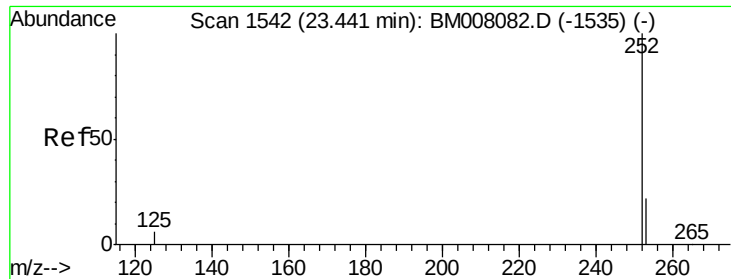
Delta R.T. -0.01 min

Lab File: BM008086.D

Acq: 28 Nov 2016 14:52

Tgt Ion:	252	Resp:	4467
Ion Ratio	Lower	Upper	
252	100		
253	28.8	24.5	36.7
125	15.4	13.7	20.5





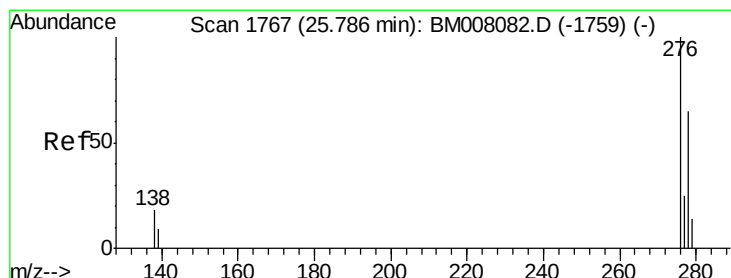
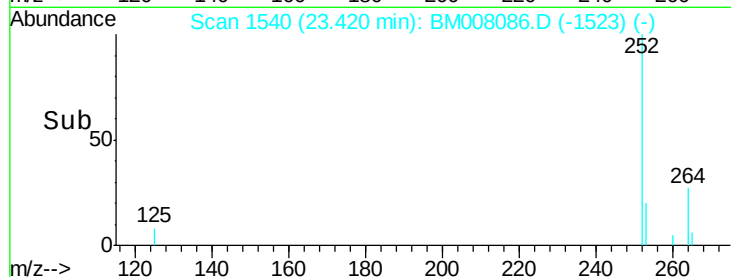
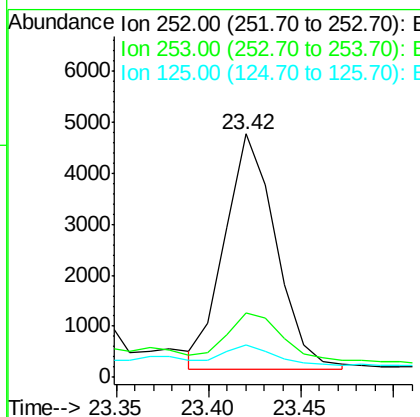
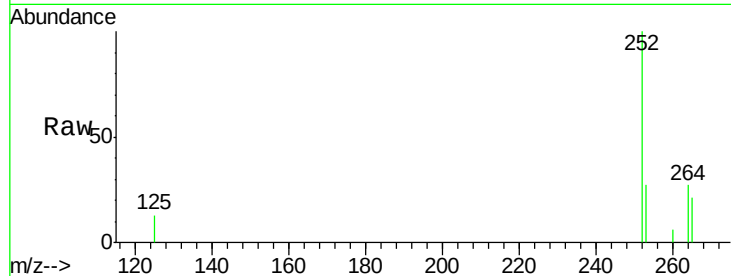
#23
Benzo(a)pyrene
Concen: 0.99 ng/ul m
RT: 23.42 min Scan# 1540
Delta R.T. -0.02 min
Lab File: BM008086.D
Acq: 28 Nov 2016 14:52

Instrument :
BNA_M
ClientSampleId :
A4WG0

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.6	28.5	42.7#
125	13.1	18.1	27.1#

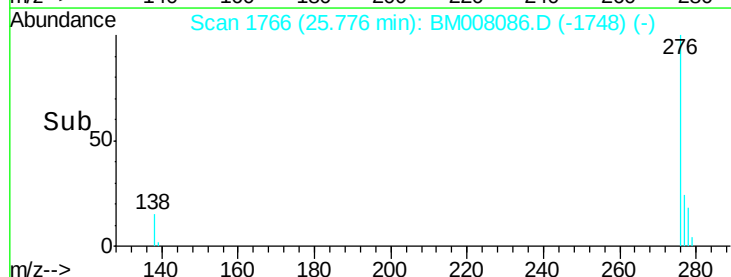
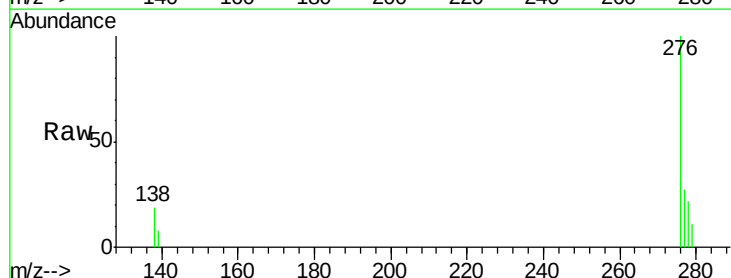
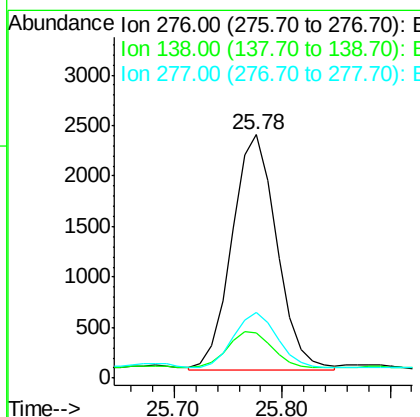
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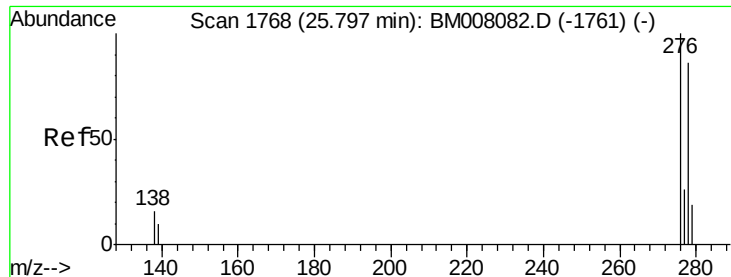
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#24
Indeno(1,2,3-cd)pyrene
Concen: 0.60 ng/ul m
RT: 25.78 min Scan# 1766
Delta R.T. -0.01 min
Lab File: BM008086.D
Acq: 28 Nov 2016 14:52

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.0	19.1	28.7
277	18.3	19.6	29.4#





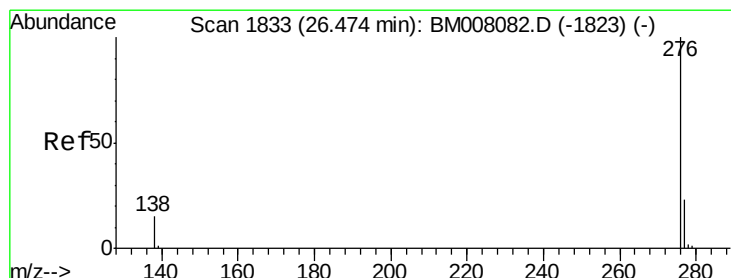
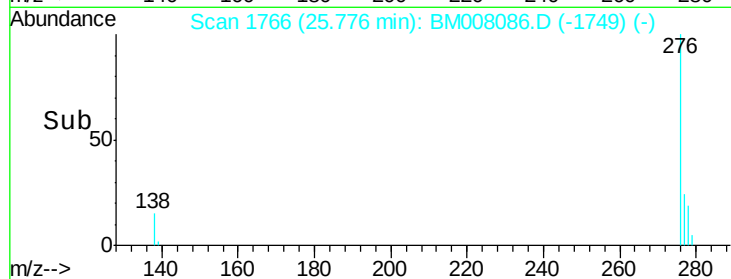
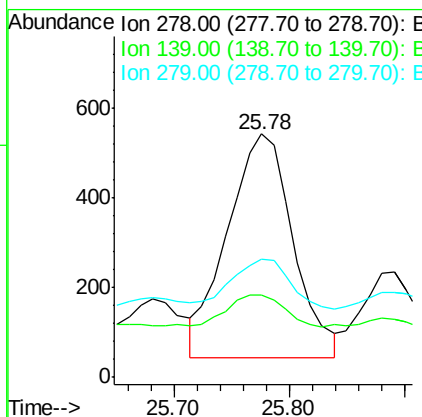
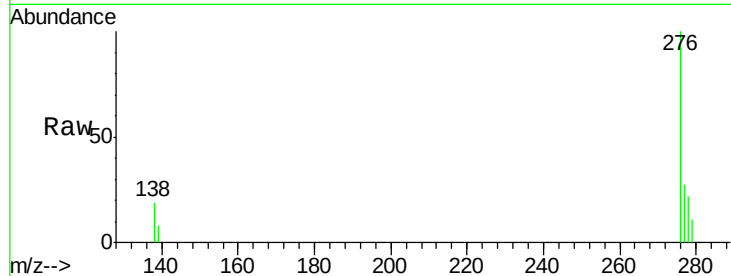
#25
Dibenzo(a,h)anthracene
Concen: 0.22 ng/ul m
RT: 25.78 min Scan# 1766
Delta R.T. -0.02 min
Lab File: BM008086.D
Acq: 28 Nov 2016 14:52

Instrument :
BNA_M
ClientSampleId :
A4WG0

Tot Ion	Ratio	Lower	Upper
278	100		
139	33.9	17.4	26.0#
279	48.5	25.9	38.9#

Manual Integrations
APPROVED

UMANGI
11/29/2016 2:22:35 PM



#26
Benzo(g,h,i)perylene
Concen: 0.69 ng/ul m
RT: 26.46 min Scan# 1832
Delta R.T. -0.01 min
Lab File: BM008086.D
Acq: 28 Nov 2016 14:52

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.7	21.8	32.8
138	19.1	20.5	30.7#

