

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121016\
 Data File : BM008234.D
 Acq On : 10 Dec 2016 16:16
 Operator : UM/SJ
 Sample : H5905-09
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA809

Manual Integrations
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Quant Time: Dec 12 03:39:02 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 Dec 12 02:45:24 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.70	152	520	0.40	ng/ul	0.00
2) Naphthalene-d8	10.46	136	1674	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.31	164	1048	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.07	188	1984m	0.40	ng/ul	-0.02
16) Chrysene-d12	21.28	240	1995	0.40	ng/ul	0.00
20) Perylene-d12	23.51	264	1958	0.40	ng/ul	-0.01
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.06	152	477	0.20	ng/ul	-0.02
14) Fluoranthene-d10	19.11	212	1020m	0.18	ng/ul	-0.01
Target Compounds						Ovalue
3) Naphthalene	10.51	128	5366	1.15	ng/ul	96
5) 2-Methylnaphthalene	12.13	142	5902	1.96	ng/ul	96
7) Acenaphthylene	14.04	152	5298	1.12	ng/ul	96
8) Acenaphthene	14.38	153	311	0.09	ng/ul#	90
9) Fluorene	15.38	166	417	0.10	ng/ul#	52
12) Phenanthrene	17.11	178	10577	1.71	ng/ul	97
13) Anthracene	17.21	178	5453	0.94	ng/ul	95
15) Fluoranthene	19.14	202	18581	2.33	ng/ul	95
17) Pyrene	19.50	202	22265	3.21	ng/ul	97
18) Benzo(a)anthracene	21.26	228	24180	3.95	ng/ul	99
19) Chrysene	21.31	228	31722	4.17	ng/ul	99
21) Benzo(b)fluoranthene	22.83	252	60269m	7.71	ng/ul	
22) Benzo(k)fluoranthene	22.87	252	17123m	2.12	ng/ul	
23) Benzo(a)pyrene	23.40	252	31258	4.27	ng/ul#	76
24) Indeno(1,2,3-cd)pyrene	25.75	276	31464	3.48	ng/ul#	90
25) Dibenzo(a,h)anthracene	25.75	278	8811	1.22	ng/ul#	93
26) Benzo(a,h,i)perylene	26.44	276	26906	3.35	ng/ul#	88

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

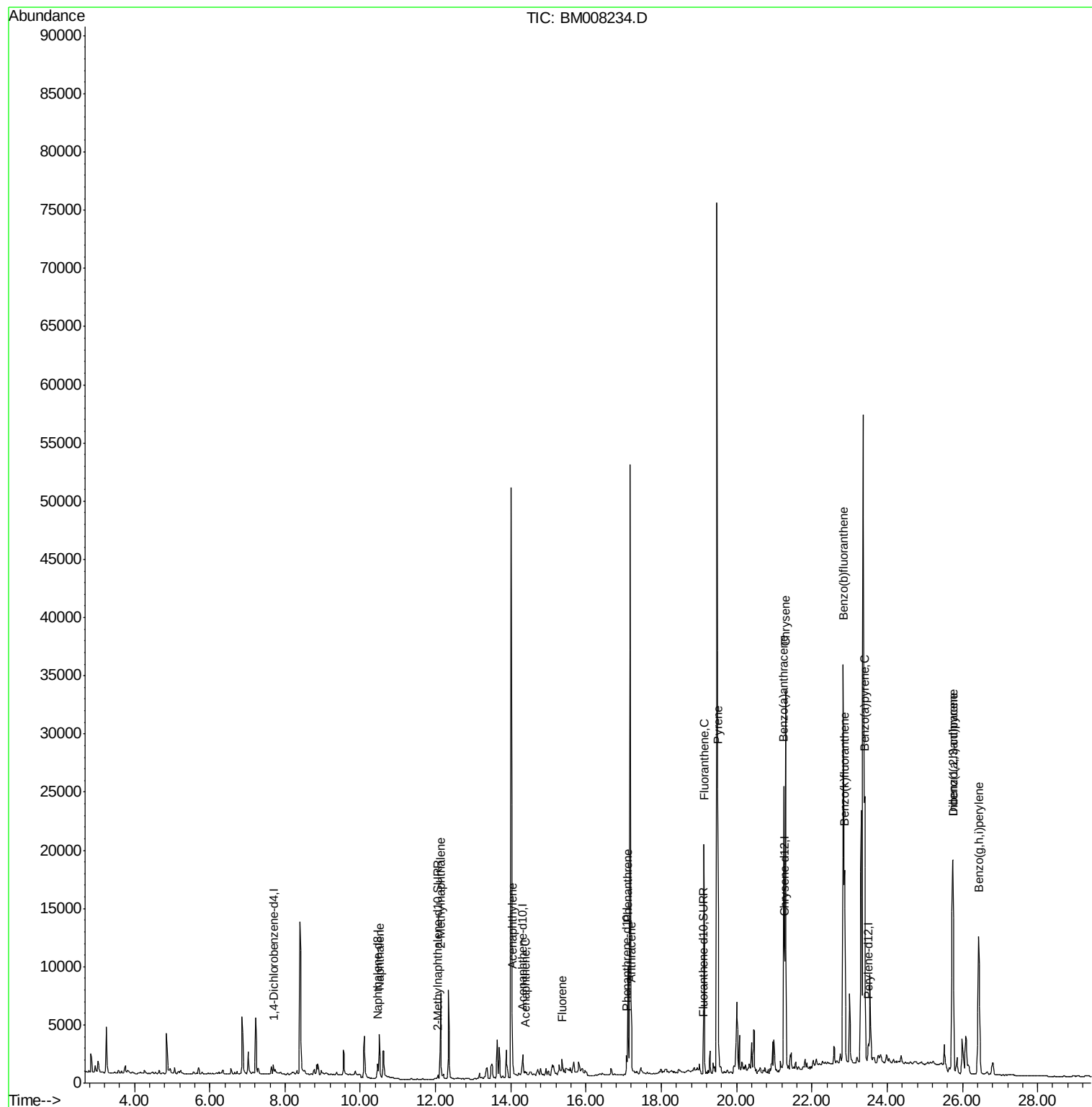
Data Path : Z:\HPCHEM1\BNA M\DATA\BM121016\
Data File : BM008234.D
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ALS Vial : 11 Sample Multiplier: 1

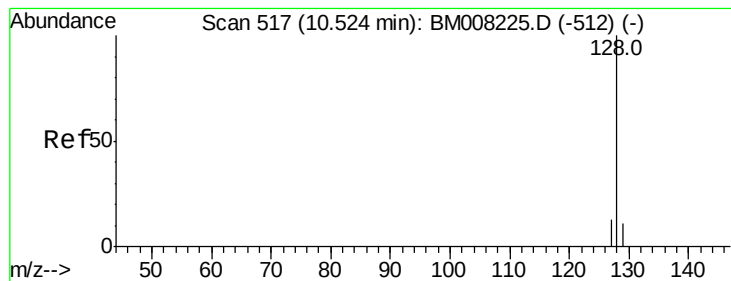
Instrument :
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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM112116.M
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Response via : Initial Calibration





#3

Naphthalene

Concen: 1.15 ng/ul

RT: 10.51 min Scan# 516

Delta R.T. -0.01 min

Lab File: BM008234.D

Acq: 10 Dec 2016 16:16

Instrument :

BNA_M

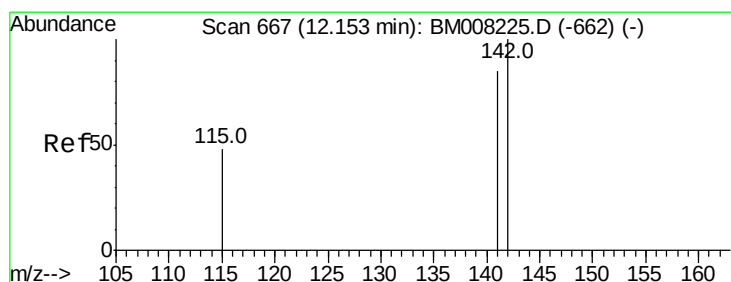
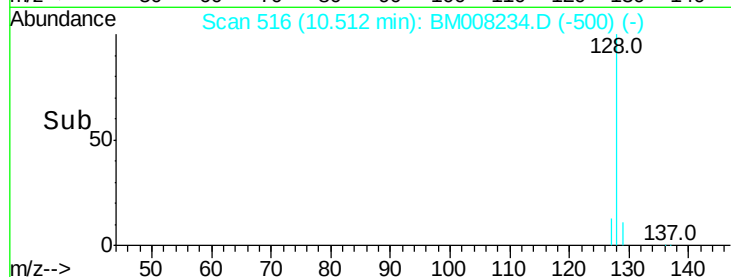
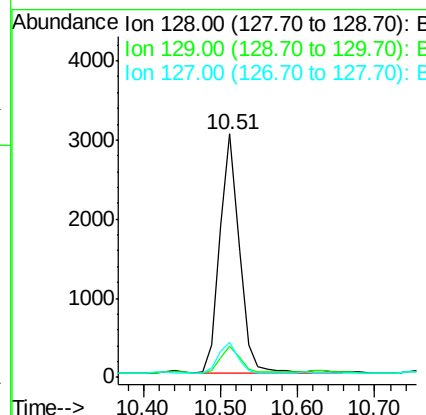
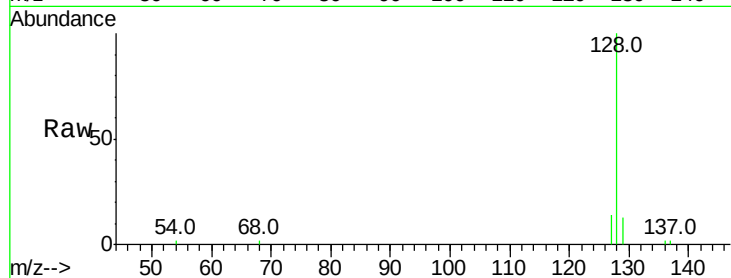
ClientSampleId :

DA809

Tot Ion:	128	Resp:	5366
Ion	Ratio	Lower	Upper
128	100		
129	12.9	11.3	16.9
127	14.3	12.8	19.2

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#5

2-Methylnaphthalene

Concen: 1.96 ng/ul

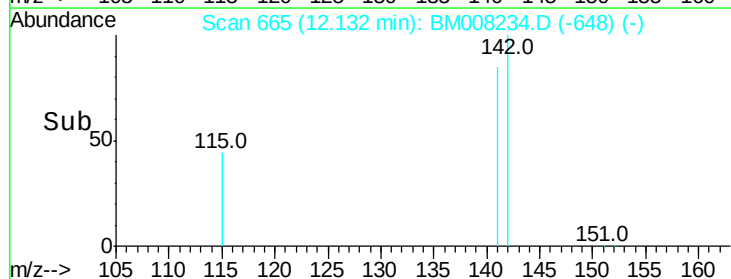
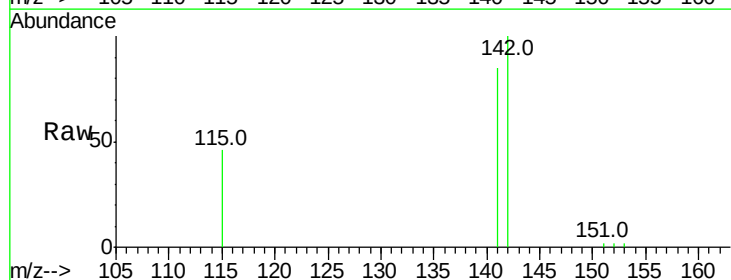
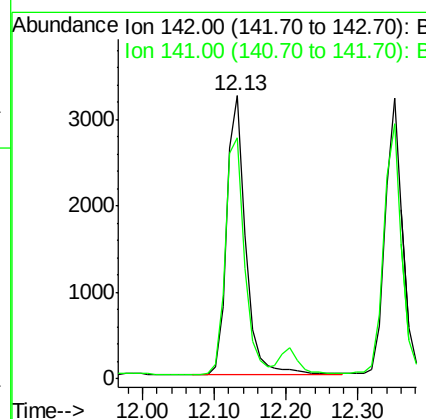
RT: 12.13 min Scan# 665

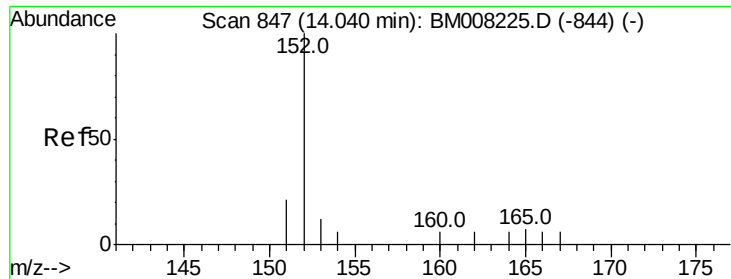
Delta R.T. -0.02 min

Lab File: BM008234.D

Acq: 10 Dec 2016 16:16

Tgt Ion:	142	Resp:	5902
Ion	Ratio	Lower	Upper
142	100		
141	86.6	72.6	108.8





#7

Acenaphthylene

Concen: 1.12 ng/ul

RT: 14.04 min Scan# 847

Delta R.T. 0.00 min

Lab File: BM008234.D

Acq: 10 Dec 2016 16:16

Instrument :

BNA_M

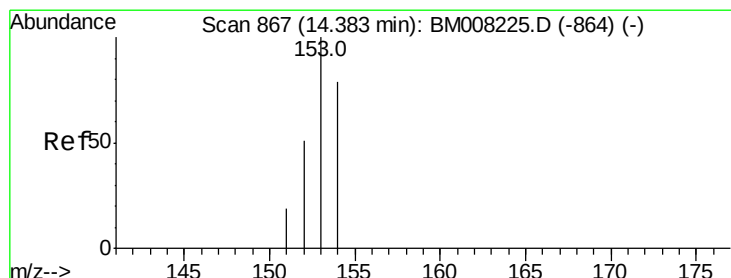
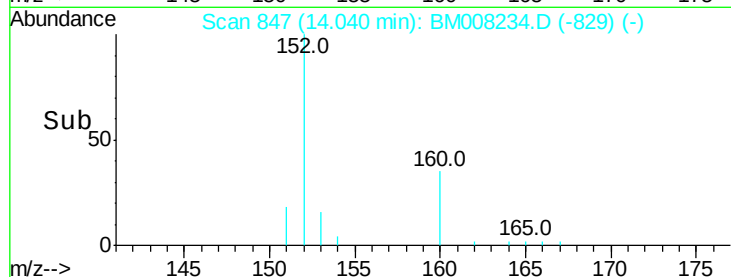
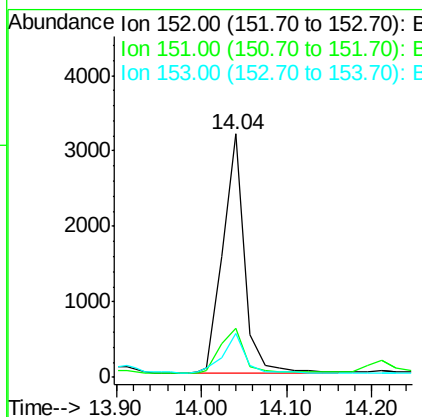
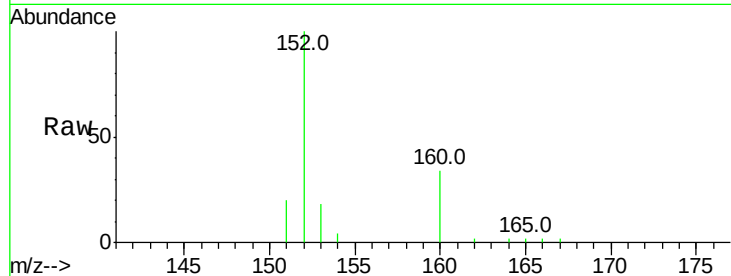
ClientSampleId :

DA809

Tot Ion:	152	Resp:	5298
Ion Ratio	Lower	Upper	
152	100		
151	19.9	17.1	25.7
153	18.1	12.8	19.2

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#8

Acenaphthene

Concen: 0.09 ng/ul

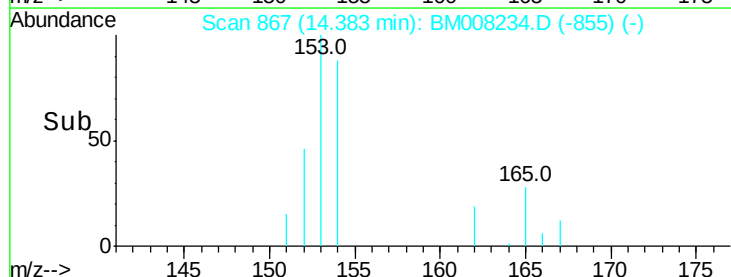
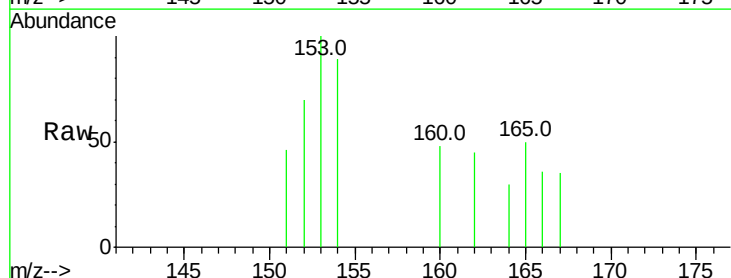
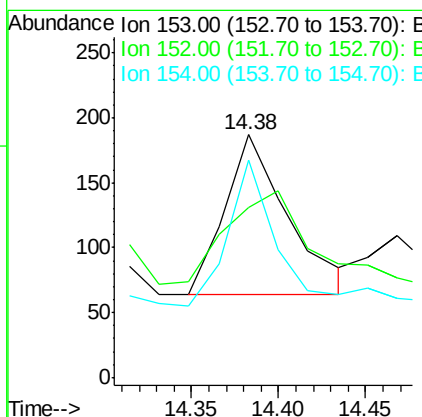
RT: 14.38 min Scan# 867

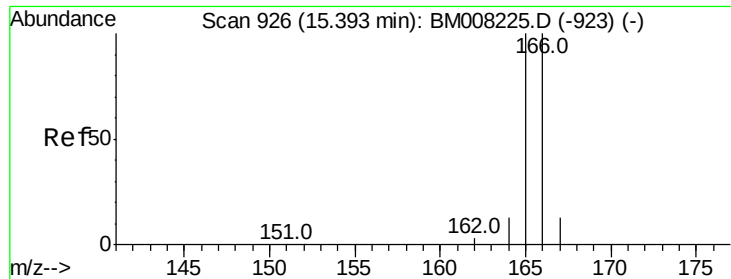
Delta R.T. 0.00 min

Lab File: BM008234.D

Acq: 10 Dec 2016 16:16

Tgt Ion:	153	Resp:	311
Ion Ratio	Lower	Upper	
153	100		
152	70.1	40.3	60.5#
154	89.3	71.4	107.2





#9

Fluorene

Concen: 0.10 ng/ul

RT: 15.38 min Scan# 925

Delta R.T. -0.02 min

Lab File: BM008234.D

Acq: 10 Dec 2016 16:16

Instrument :

BNA_M

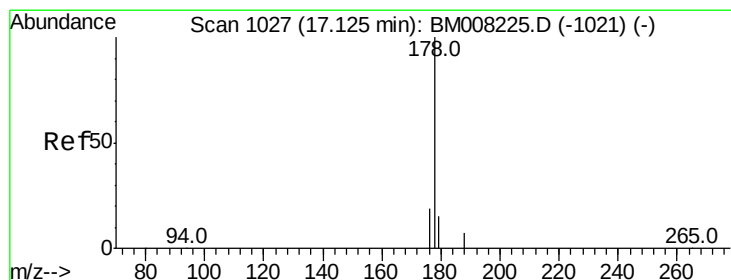
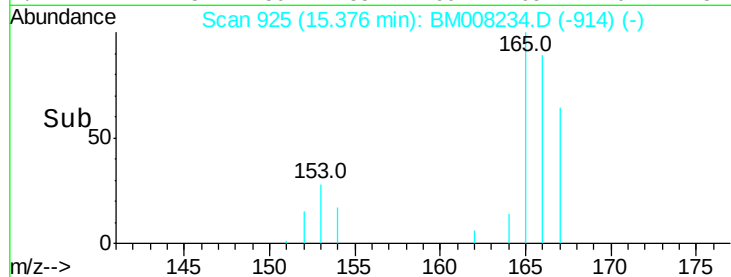
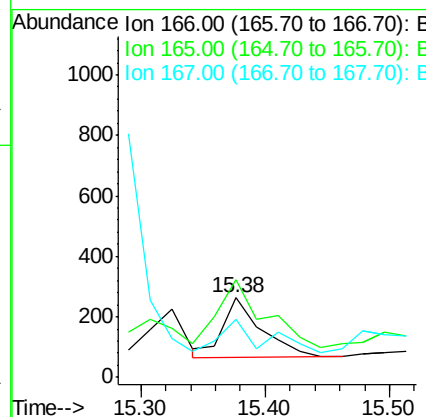
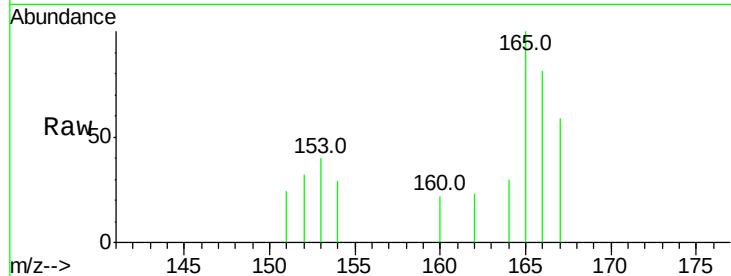
ClientSampleId :

DA809

Tot Ion:	166	Resp:	417
Ion Ratio	Lower	Upper	
166	100		
165	123.6	73.4	110.2#
167	72.6	14.6	22.0#

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#12

Phenanthrene

Concen: 1.71 ng/ul

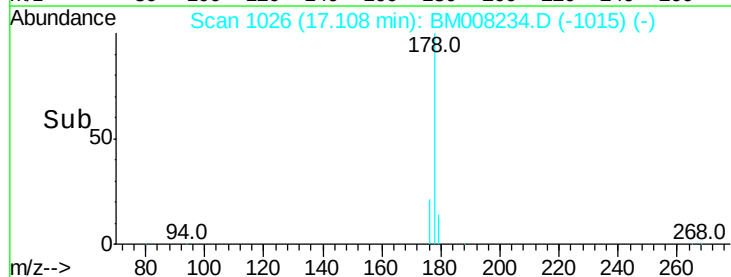
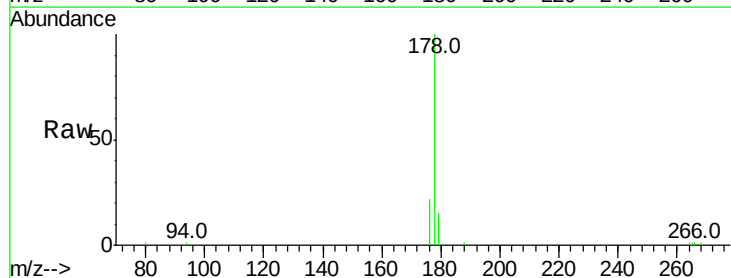
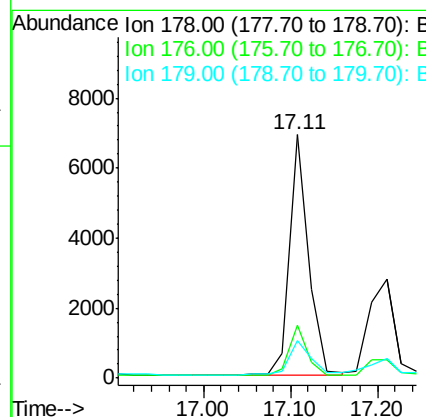
RT: 17.11 min Scan# 1026

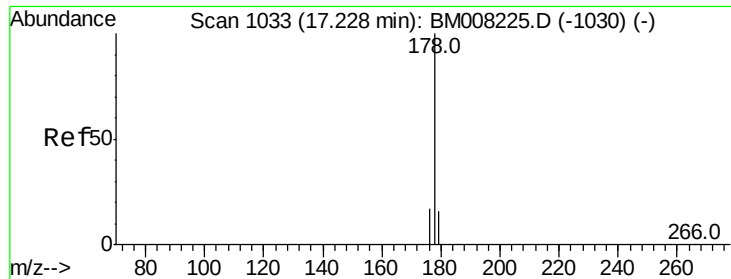
Delta R.T. -0.02 min

Lab File: BM008234.D

Acq: 10 Dec 2016 16:16

Tgt Ion:	178	Resp:	10577
Ion Ratio	Lower	Upper	
178	100		
176	21.6	18.4	27.6
179	15.4	13.6	20.4





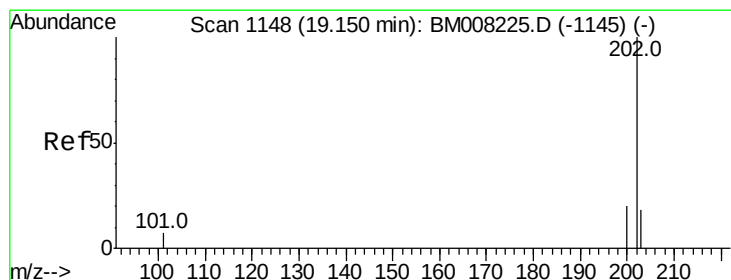
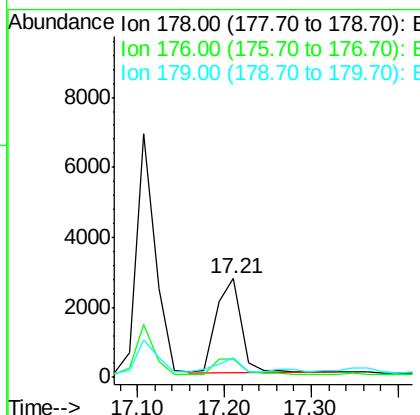
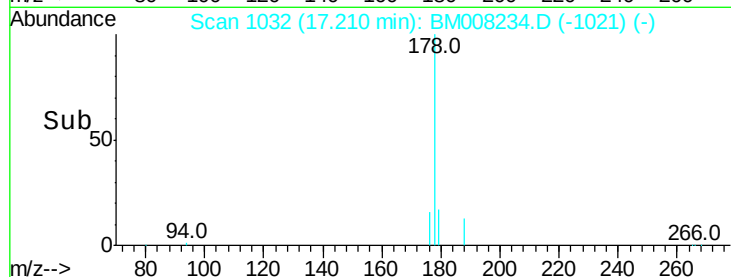
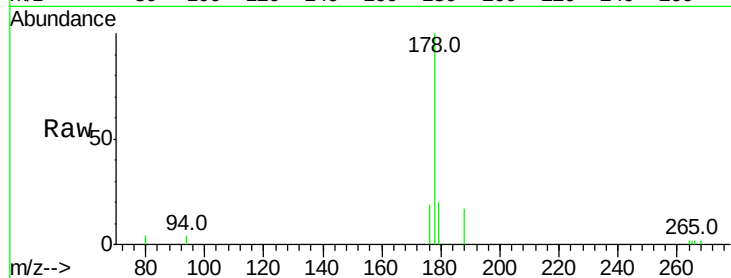
#13
 Anthracene
 Concen: 0.94 ng/ul
 RT: 17.21 min Scan# 1032
 Delta R.T. -0.02 min
 Lab File: BM008234.D
 Acq: 10 Dec 2016 16:16

Instrument :
 BNA_M
 ClientSampleId :
 DA809

Tot Ion:178 Resp: 5453
 Ion Ratio Lower Upper
 178 100
 176 18.9 18.1 27.1
 179 19.5 14.7 22.1

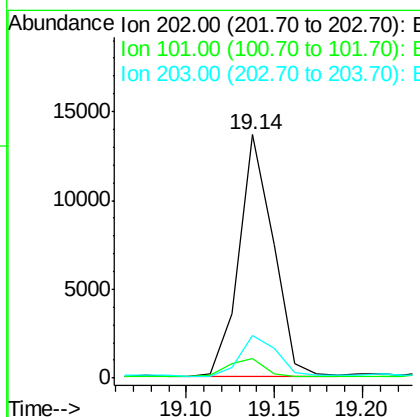
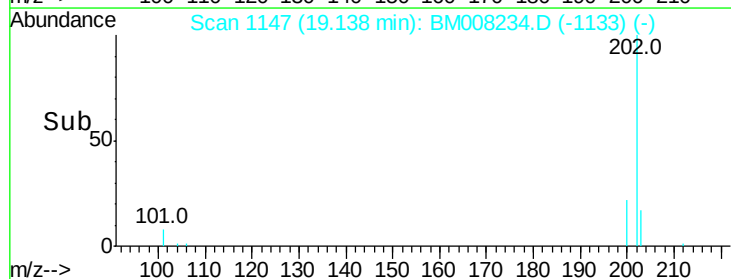
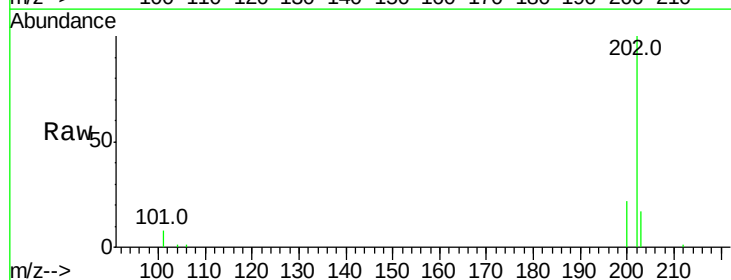
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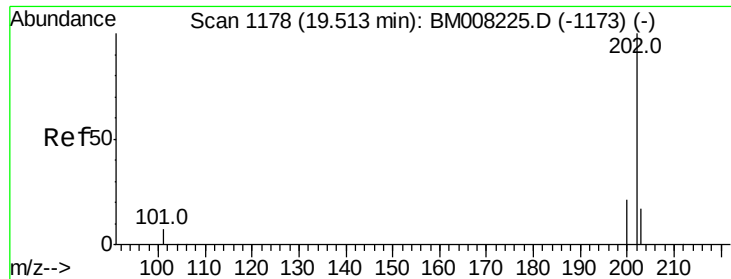
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#15
 Fluoranthene
 Concen: 2.33 ng/ul
 RT: 19.14 min Scan# 1147
 Delta R.T. -0.01 min
 Lab File: BM008234.D
 Acq: 10 Dec 2016 16:16

Tgt Ion:202 Resp: 18581
 Ion Ratio Lower Upper
 202 100
 101 7.9 0.0 30.3
 203 17.3 0.0 39.5





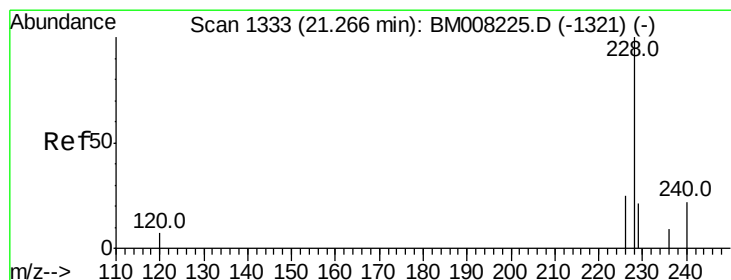
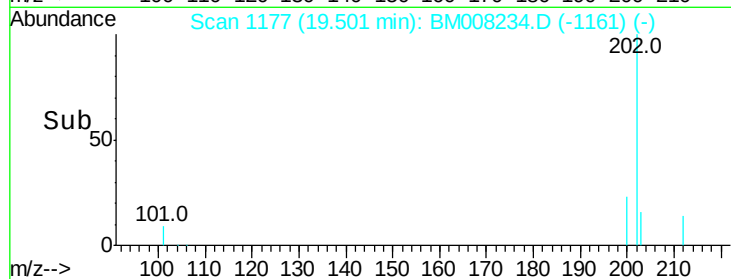
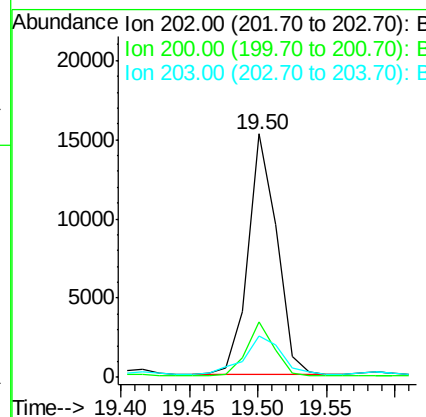
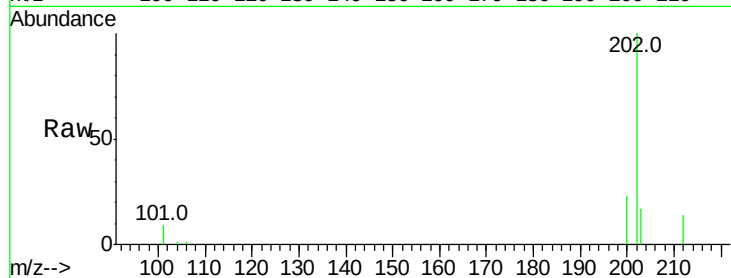
#17
Pvrene
Concen: 3.21 ng/ul
RT: 19.50 min Scan# 1177
Delta R.T. -0.01 min
Lab File: BM008234.D
Acq: 10 Dec 2016 16:16

Instrument :
BNA_M
ClientSampleId :
DA809

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	22.8	18.2	27.4
203	16.9	15.6	23.4

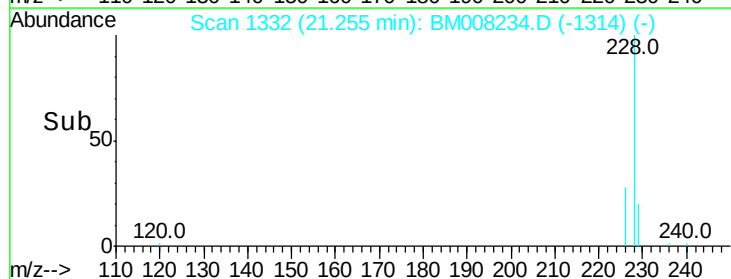
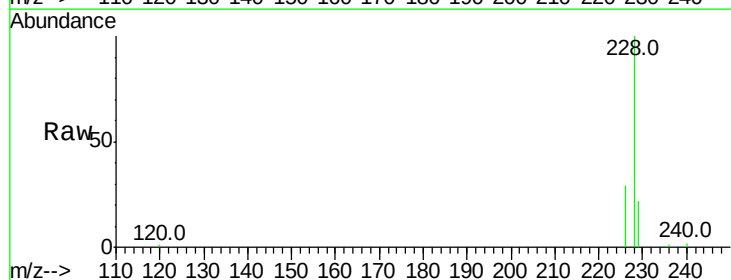
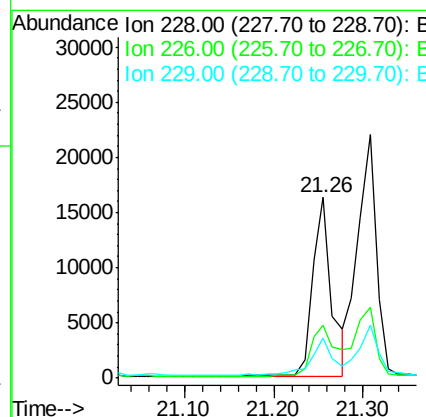
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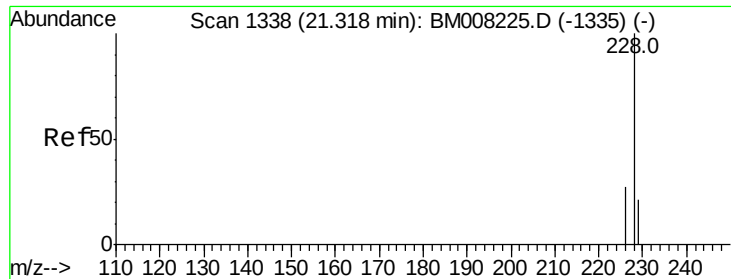
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#18
Benzo(a)anthracene
Concen: 3.95 ng/ul
RT: 21.26 min Scan# 1332
Delta R.T. -0.01 min
Lab File: BM008234.D
Acq: 10 Dec 2016 16:16

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	29.2	22.8	34.2
229	22.1	17.0	25.6





#19

Chrysene

Concen: 4.17 ng/ul

RT: 21.31 min Scan# 1337

Delta R.T. -0.01 min

Lab File: BM008234.D

Acq: 10 Dec 2016 16:16

Instrument :

BNA_M

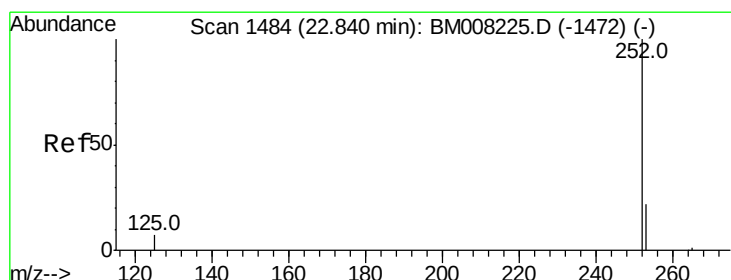
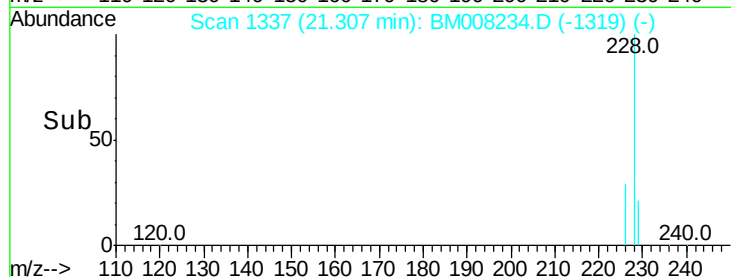
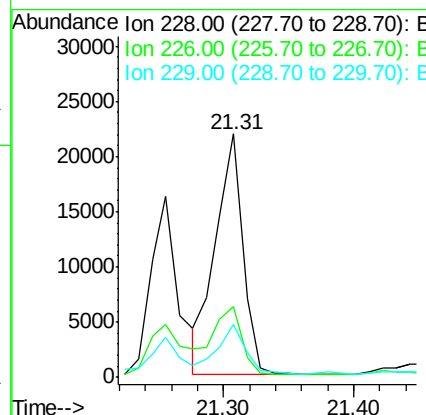
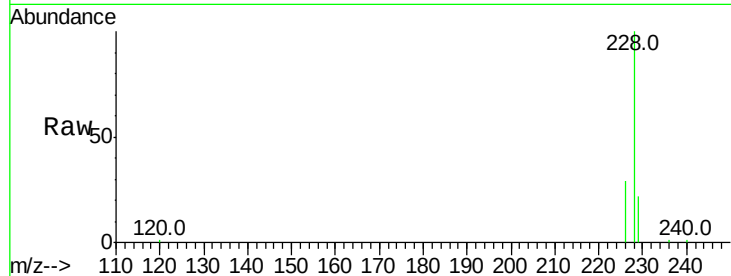
ClientSampled :

DA809

Tot Ion:	228	Resp:	31722
Ion Ratio	Lower	Upper	
228	100		
226	29.3	23.4	35.0
229	21.5	17.7	26.5

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#21

Benzo(b)fluoranthene

Concen: 7.71 ng/ul m

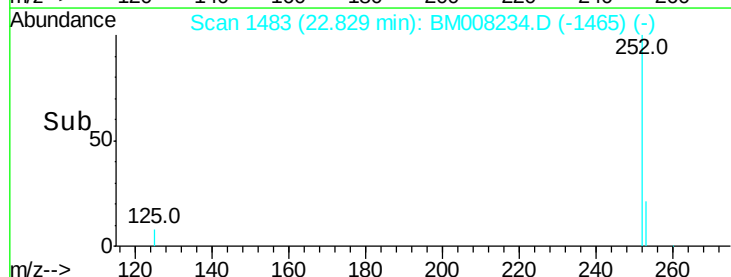
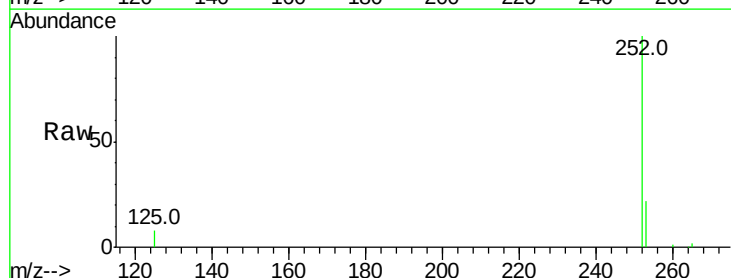
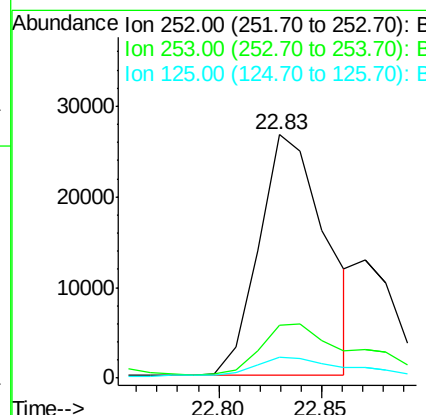
RT: 22.83 min Scan# 1483

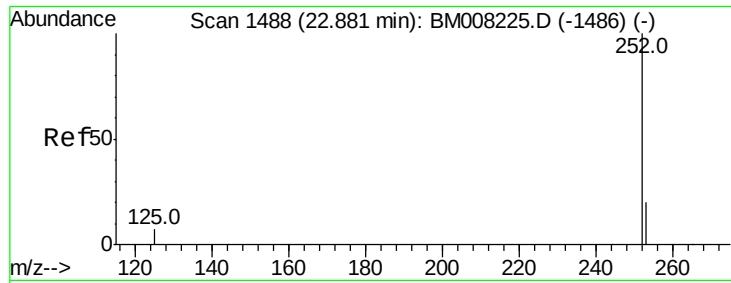
Delta R.T. -0.01 min

Lab File: BM008234.D

Acq: 10 Dec 2016 16:16

Tgt Ion:	252	Resp:	60269
Ion Ratio	Lower	Upper	
252	100		
253	22.0	0.0	64.2
125	8.5	0.0	35.0





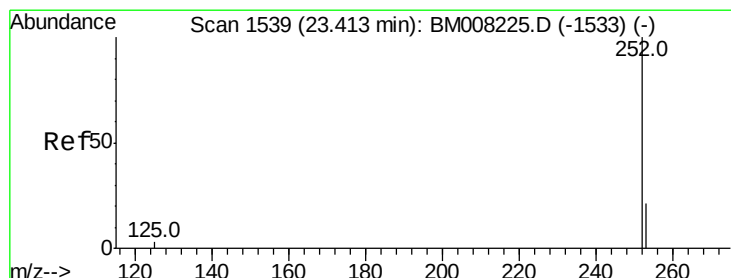
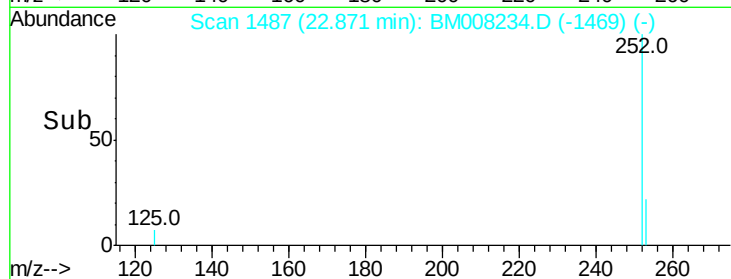
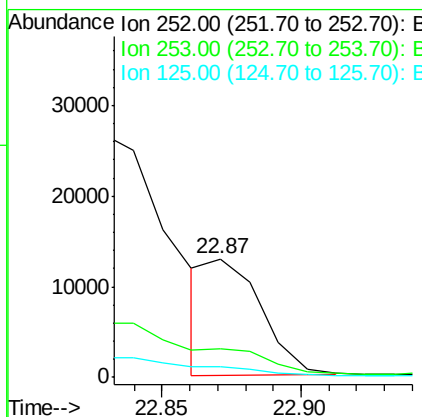
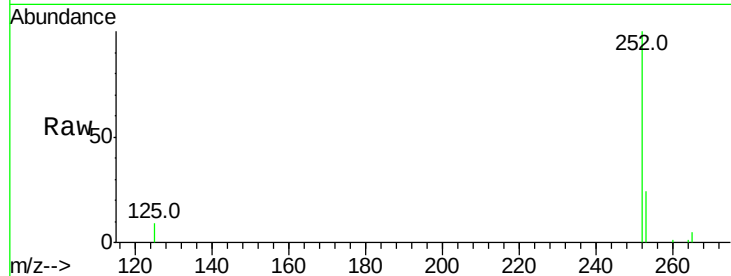
#22
Benzo(k)fluoranthene
Concen: 2.12 ng/ul m
RT: 22.87 min Scan# 1487
Delta R.T. -0.01 min
Lab File: BM008234.D
Acq: 10 Dec 2016 16:16

Instrument :
BNA_M
ClientSampleId :
DA809

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.1	24.5	36.7#
125	8.9	13.7	20.5#

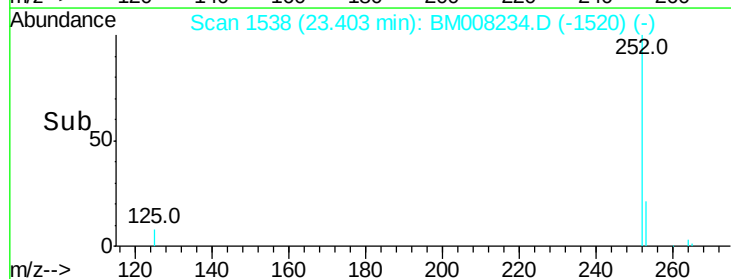
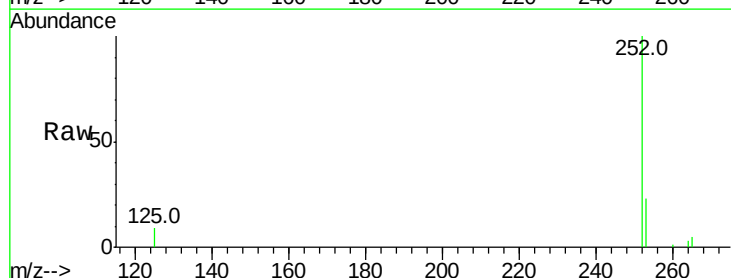
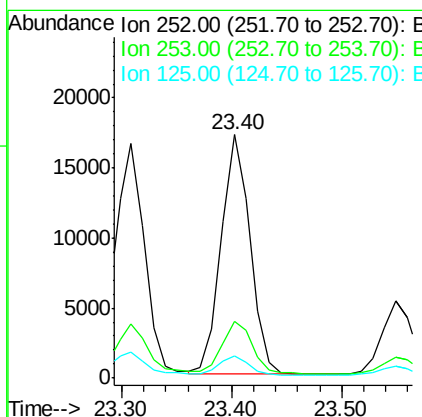
Manual Integrations
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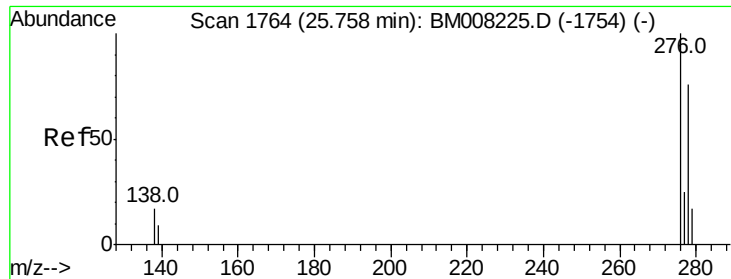
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#23
Benzo(a)pyrene
Concen: 4.27 ng/ul
RT: 23.40 min Scan# 1538
Delta R.T. -0.01 min
Lab File: BM008234.D
Acq: 10 Dec 2016 16:16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	28.5	42.7#
125	9.1	18.1	27.1#





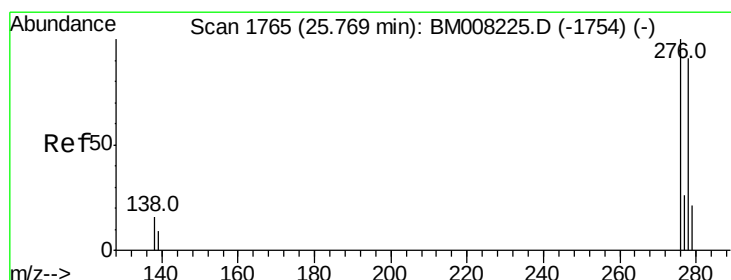
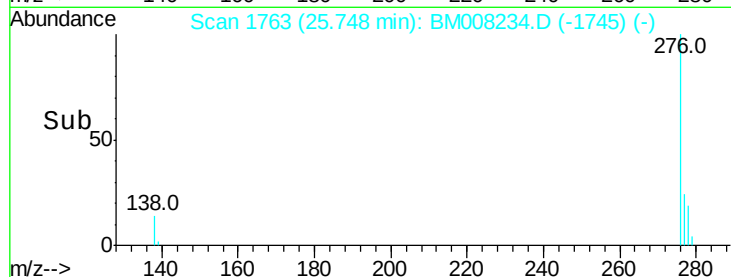
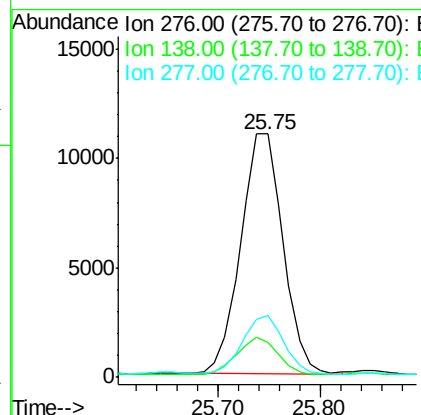
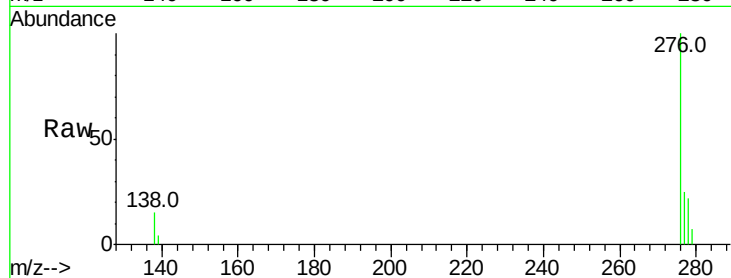
#24
 Indeno(1,2,3-cd)pyrene
 Concen: 3.48 ng/ul
 RT: 25.75 min Scan# 1763
 Delta R.T. -0.01 min
 Lab File: BM008234.D
 Acq: 10 Dec 2016 16:16

Instrument :
 BNA_M
 ClientSampleId :
 DA809

Tot Ion	Ratio	Lower	Upper
276	100		
138	15.0	19.1	28.7#
277	23.7	19.6	29.4

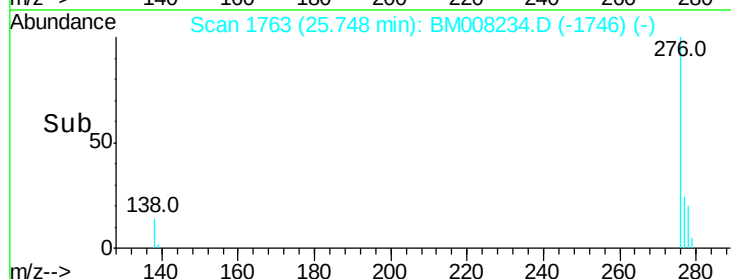
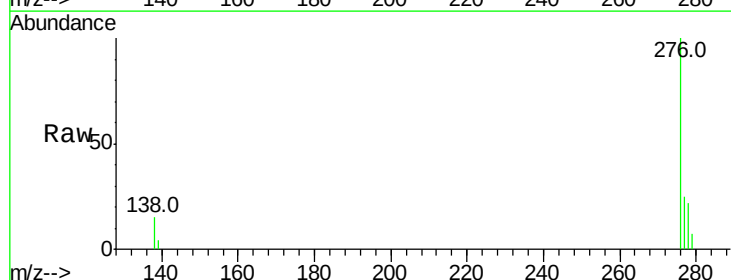
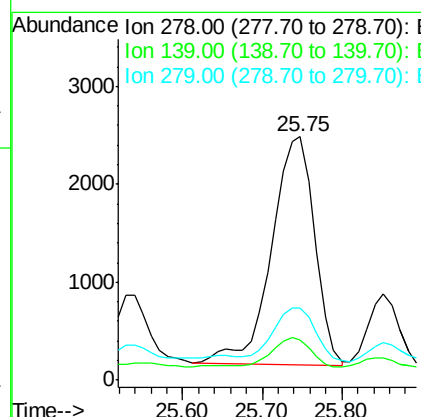
Manual Integrations
 APPROVED

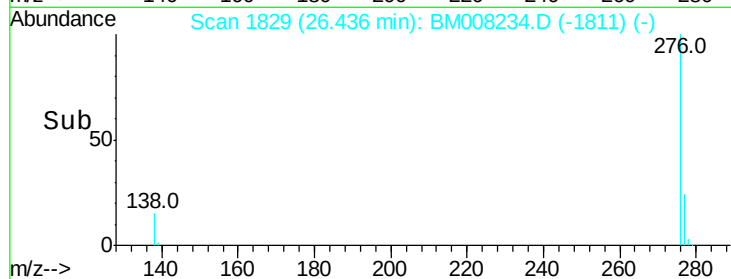
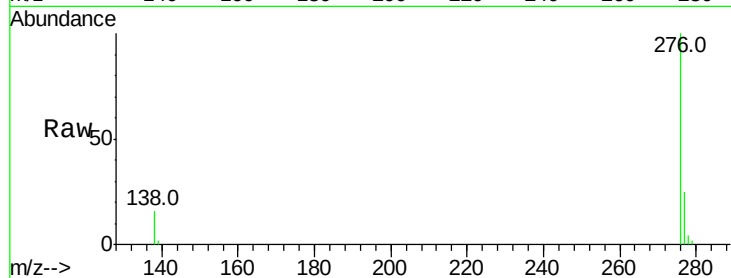
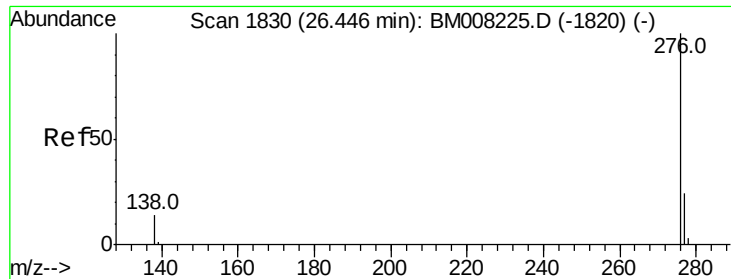
UMANGI
 12/12/2016 6:50:22 PM



#25
 Dibenzo(a,h)anthracene
 Concen: 1.22 ng/ul
 RT: 25.75 min Scan# 1763
 Delta R.T. -0.02 min
 Lab File: BM008234.D
 Acq: 10 Dec 2016 16:16

Tgt Ion	Ratio	Lower	Upper
278	100		
139	16.5	17.4	26.0#
279	29.7	25.9	38.9





#26

Benzo(a,h,i)perylene

Concen: 3.35 ng/ul

RT: 26.44 min Scan# 1829

Delta R.T. -0.01 min

Lab File: BM008234.D

Acq: 10 Dec 2016 16:16

Instrument :

BNA_M

ClientSampleId :

DA809

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.7	21.8	32.8
138	15.6	20.5	30.7

Manual Integrations
APPROVED

UMANGI
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