

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121016\
 Data File : BM008255.D
 Acq On : 11 Dec 2016 04:52
 Operator : UM/SJ
 Sample : H5863-06DL 5X
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA7Y5DL

Manual Integrations
 APPROVED

UMANGI
 12/12/2016 6:50:43 PM

Quant Time: Dec 12 07:03:15 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 03:51:49 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.70	152	708	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.46	136	2441	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.31	164	1507	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.07	188	2840	0.40	ng/ul	-0.02
16) Chrysene-d12	21.27	240	2182	0.40	ng/ul	-0.01
20) Perylene-d12	23.50	264	1920	0.40	ng/ul	-0.01
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.06	152	154	0.04	ng/ul	-0.02
14) Fluoranthene-d10	19.11	212	385m	0.05	ng/ul	-0.02
Target Compounds						
					Ovalue	
3) Naphthalene	10.51	128	1055	0.15	ng/ul#	88
5) 2-Methylnaphthalene	12.13	142	1629	0.37	ng/ul	98
7) Acenaphthylene	14.04	152	979	0.14	ng/ul#	81
8) Acenaphthene	14.38	153	331	0.06	ng/ul	93
9) Fluorene	15.38	166	869	0.15	ng/ul#	78
12) Phenanthrene	17.11	178	5094	0.58	ng/ul	99
13) Anthracene	17.21	178	1771m	0.21	ng/ul	
15) Fluoranthene	19.14	202	10805	0.95	ng/ul	94
17) Pyrene	19.51	202	9655	1.27	ng/ul	96
18) Benzo(a)anthracene	21.25	228	5450	0.81	ng/ul	97
19) Chrysene	21.30	228	5900	0.71	ng/ul	94
21) Benzo(b)fluoranthene	22.84	252	9809m	1.28	ng/ul	
22) Benzo(k)fluoranthene	22.87	252	3229m	0.41	ng/ul	
23) Benzo(a)pyrene	23.40	252	5423	0.76	ng/ul#	87
24) Indeno(1,2,3-cd)pyrene	25.74	276	4814	0.54	ng/ul#	90
25) Dibenzo(a,h)anthracene	25.74	278	1338	0.19	ng/ul#	73
26) Benzo(a,h,i)perylene	26.43	276	4821	0.61	ng/ul#	94

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

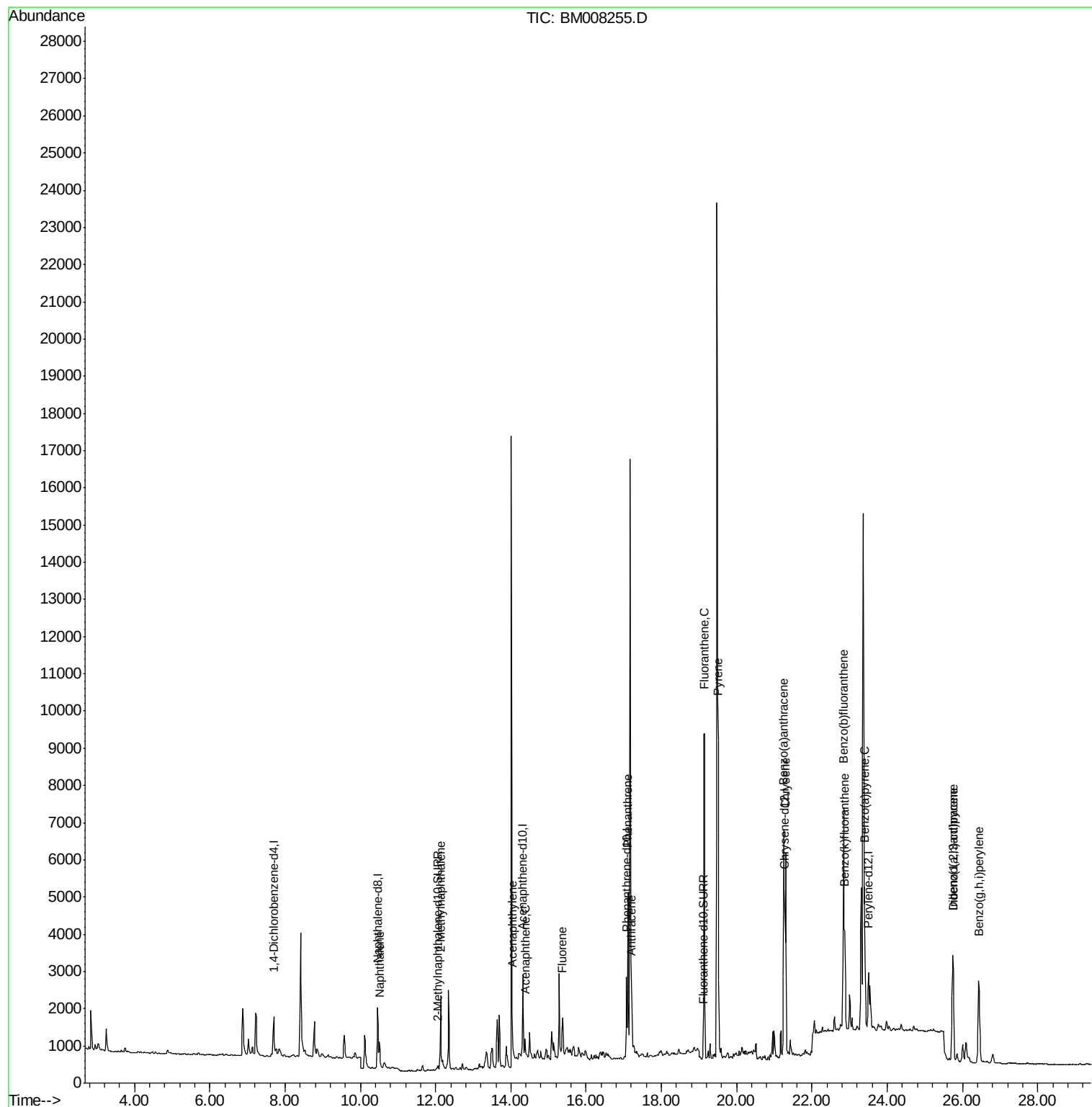
Data Path : Z:\HPCHEM1\BNA M\DATA\BM121016\
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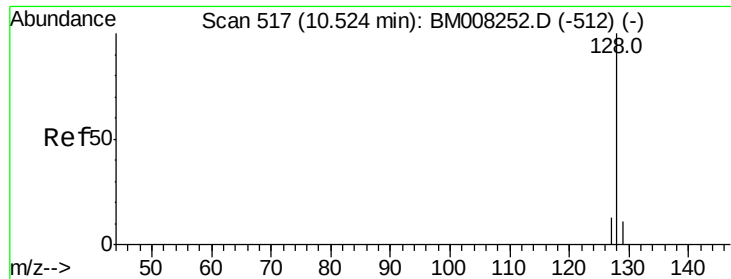
Instrument :
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#3

Naphthalene

Concen: 0.15 ng/ul

RT: 10.51 min Scan# 516

Delta R.T. -0.01 min

Lab File: BM008255.D

Acq: 11 Dec 2016 04:52

Instrument :

BNA_M

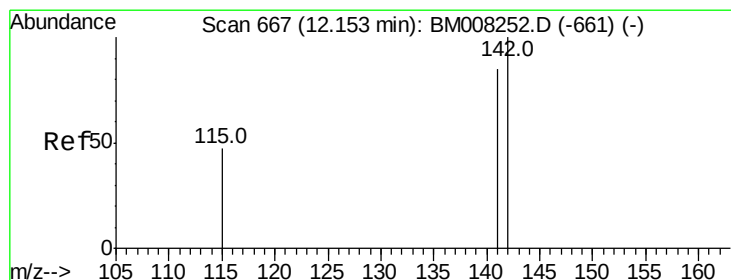
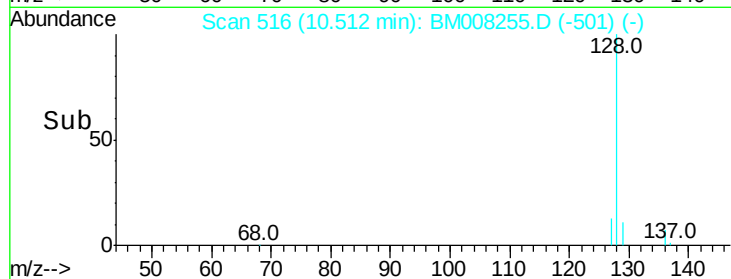
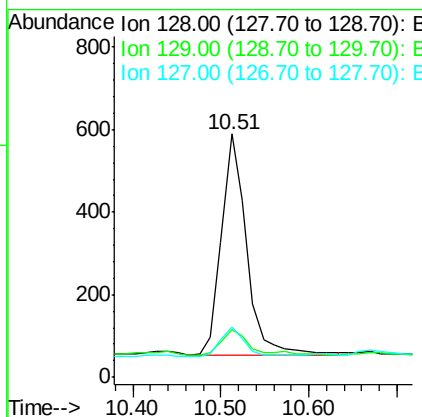
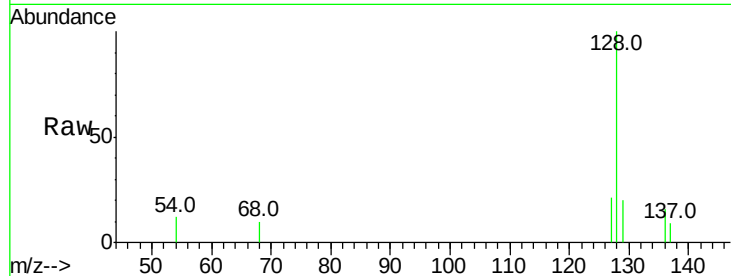
ClientSampleId :

DA7Y5DL

Tot Ion:	128	Resp:	1055
Ion Ratio	Lower	Upper	
128	100		
129	19.7	11.3	16.9#
127	20.8	12.8	19.2#

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#5

2-Methylnaphthalene

Concen: 0.37 ng/ul

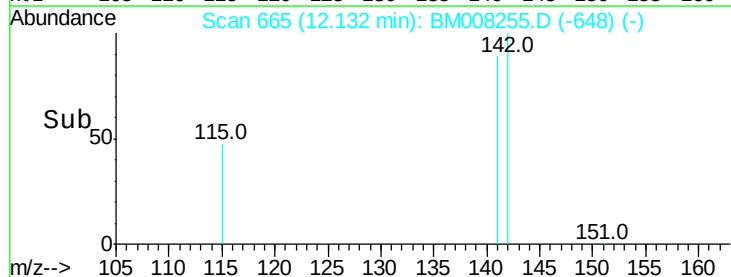
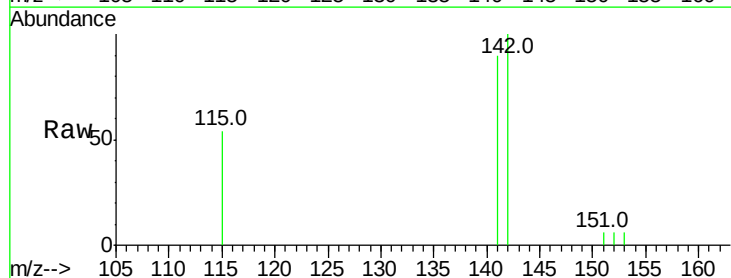
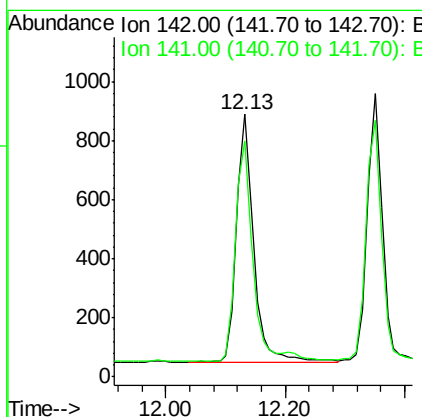
RT: 12.13 min Scan# 665

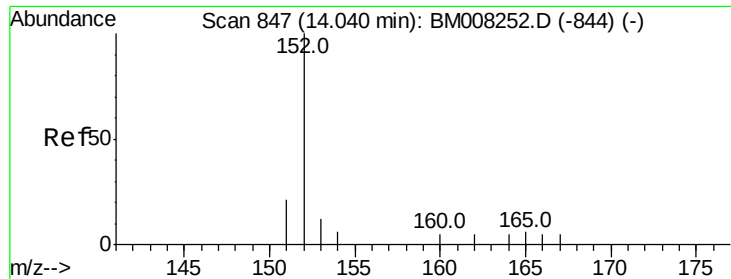
Delta R.T. -0.02 min

Lab File: BM008255.D

Acq: 11 Dec 2016 04:52

Tgt Ion:	142	Resp:	1629
Ion Ratio	Lower	Upper	
142	100		
141	92.5	72.6	108.8





#7

Acenaphthylene

Concen: 0.14 ng/ul

RT: 14.04 min Scan# 847

Delta R.T. -0.00 min

Lab File: BM008255.D

Acq: 11 Dec 2016 04:52

Instrument :

BNA_M

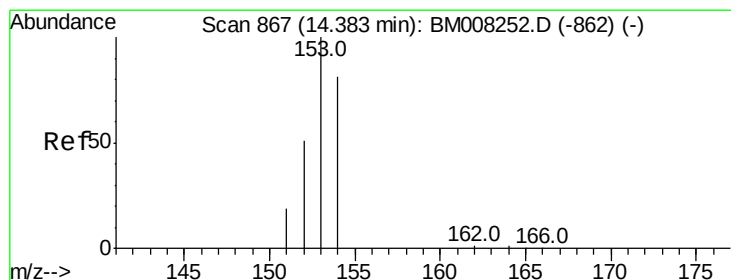
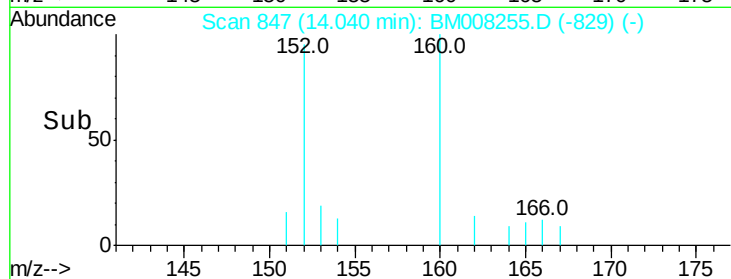
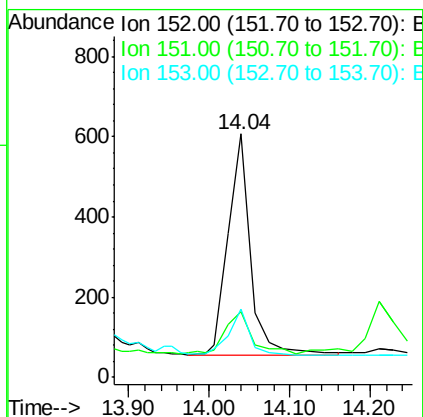
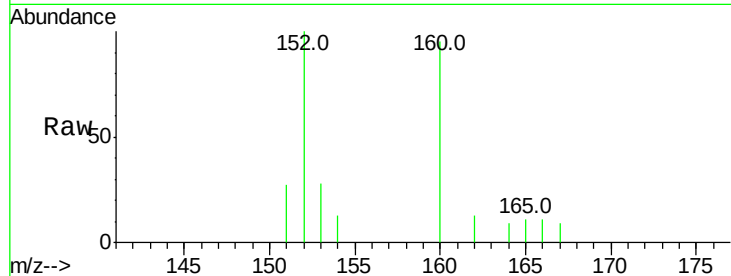
ClientSampleId :

DA7Y5DL

Tot Ion:	152	Resp:	979
Ion Ratio	Lower	Upper	
152	100		
151	27.0	17.1	25.7#
153	28.0	12.8	19.2#

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#8

Acenaphthene

Concen: 0.06 ng/ul

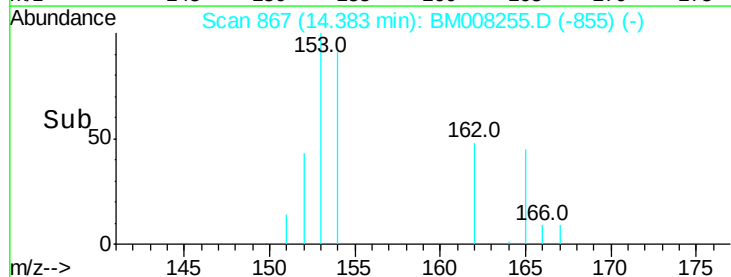
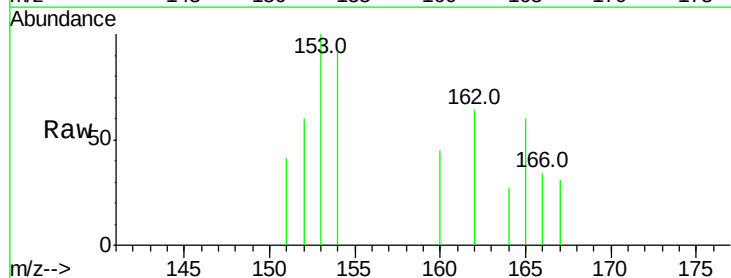
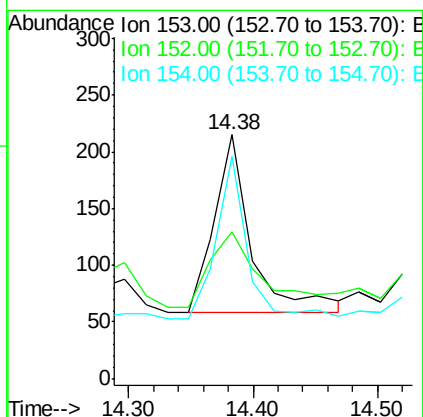
RT: 14.38 min Scan# 867

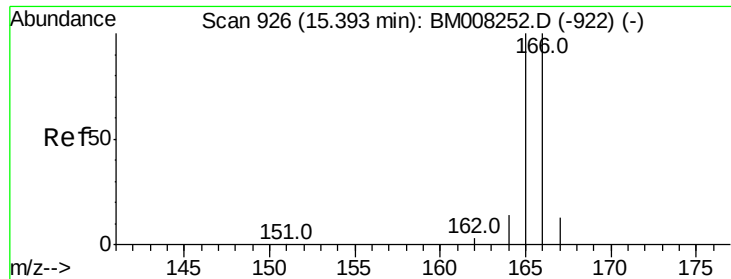
Delta R.T. -0.00 min

Lab File: BM008255.D

Acq: 11 Dec 2016 04:52

Tgt Ion:	153	Resp:	331
Ion Ratio	Lower	Upper	
153	100		
152	60.5	40.3	60.5
154	91.2	71.4	107.2





#9

Fluorene

Concen: 0.15 ng/ul

RT: 15.38 min Scan# 925

Delta R.T. -0.02 min

Lab File: BM008255.D

Acq: 11 Dec 2016 04:52

Instrument :

BNA_M

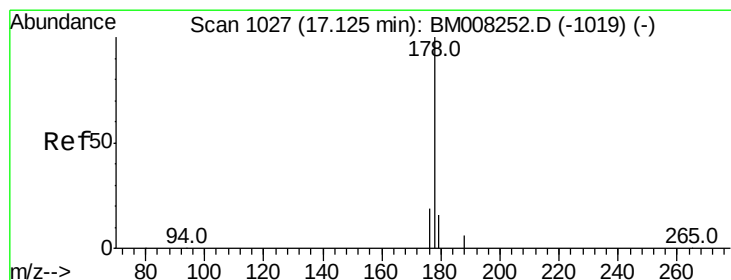
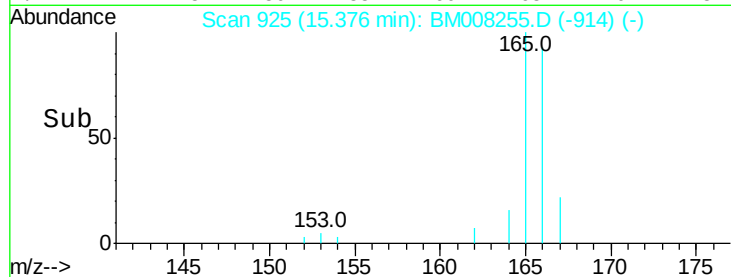
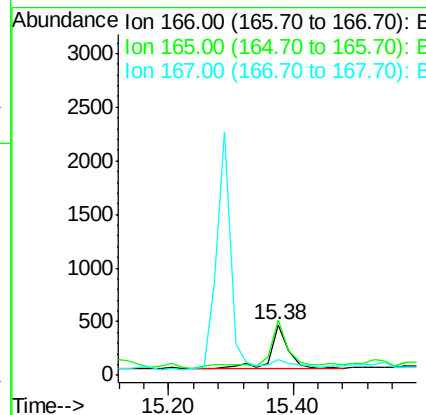
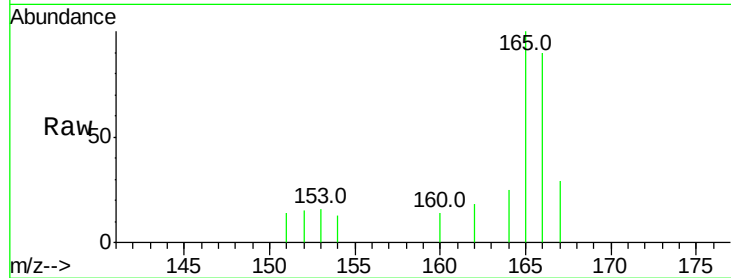
ClientSampleId :

DA7Y5DL

Tot Ion:	166	Resp:	869
Ion Ratio	Lower	Upper	
166	100		
165	110.6	73.4	110.2#
167	32.6	14.6	22.0#

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#12

Phenanthrene

Concen: 0.58 ng/ul

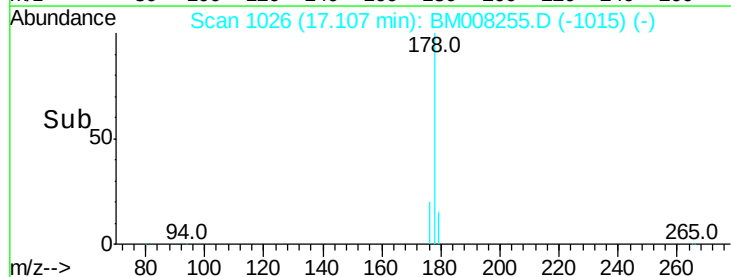
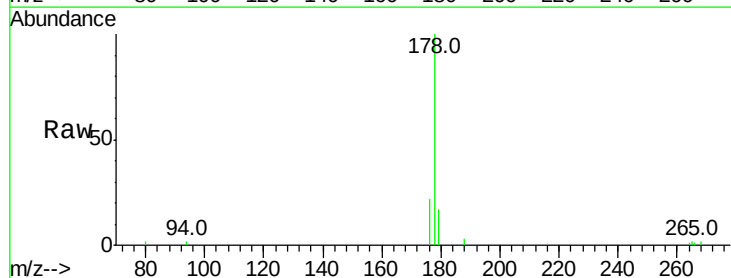
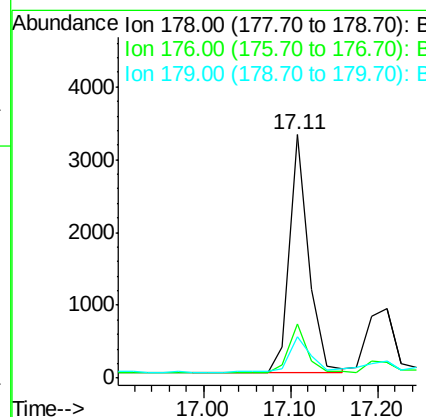
RT: 17.11 min Scan# 1026

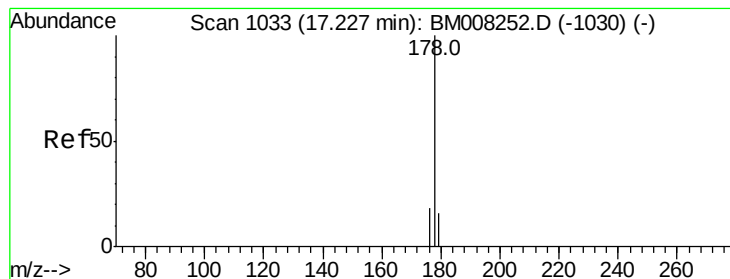
Delta R.T. -0.02 min

Lab File: BM008255.D

Acq: 11 Dec 2016 04:52

Tgt Ion:	178	Resp:	5094
Ion Ratio	Lower	Upper	
178	100		
176	22.1	18.4	27.6
179	17.0	13.6	20.4





#13

Anthracene

Concen: 0.21 ng/ul m

RT: 17.21 min Scan# 1032

Delta R.T. -0.02 min

Lab File: BM008255.D

Acq: 11 Dec 2016 04:52

Instrument :

BNA_M

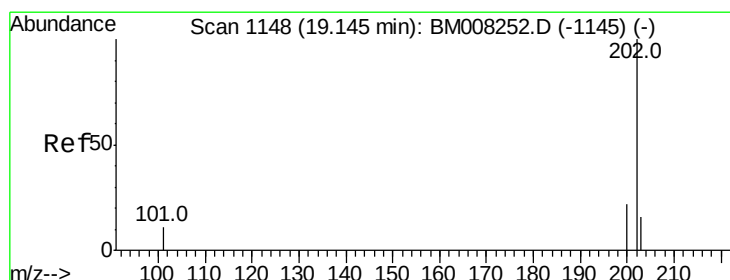
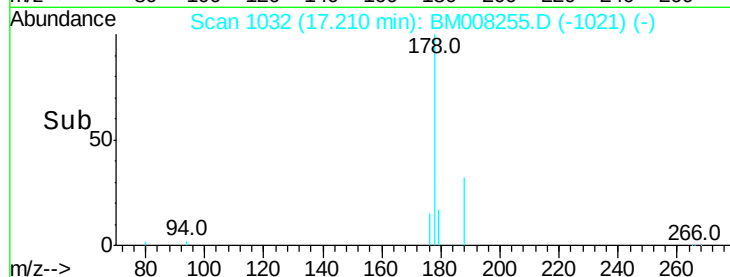
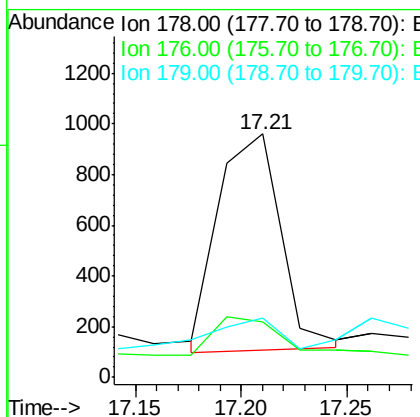
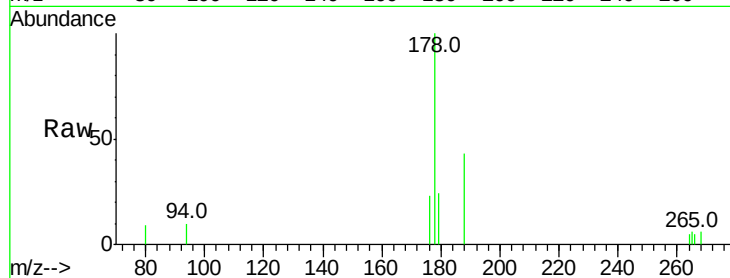
ClientSampleId :

DA7Y5DL

Tot Ion:	178	Resp:	1771
Ion Ratio	Lower	Upper	
178	100		
176	22.6	18.1	27.1
179	24.2	14.7	22.1#

Manual Integrations
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#15

Fluoranthene

Concen: 0.95 ng/ul

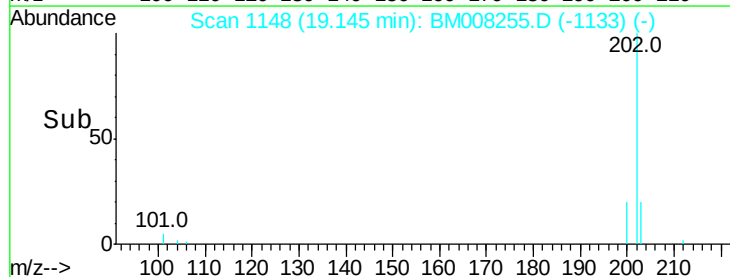
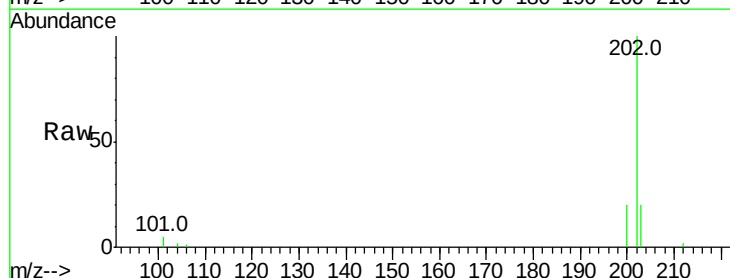
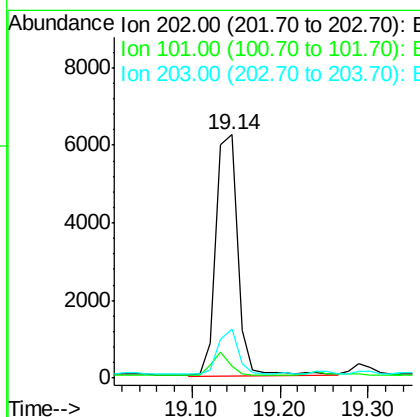
RT: 19.14 min Scan# 1148

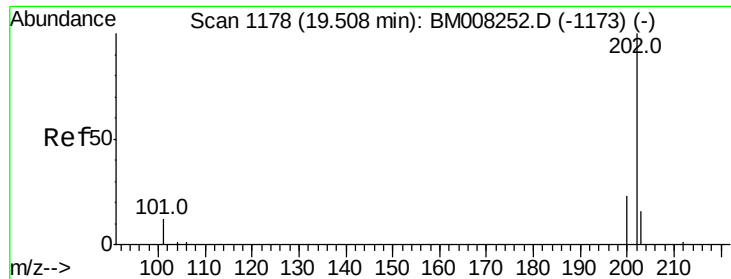
Delta R.T. -0.01 min

Lab File: BM008255.D

Acq: 11 Dec 2016 04:52

Tgt Ion:	202	Resp:	10805
Ion Ratio	Lower	Upper	
202	100		
101	5.0	0.0	30.3
203	20.1	0.0	39.5





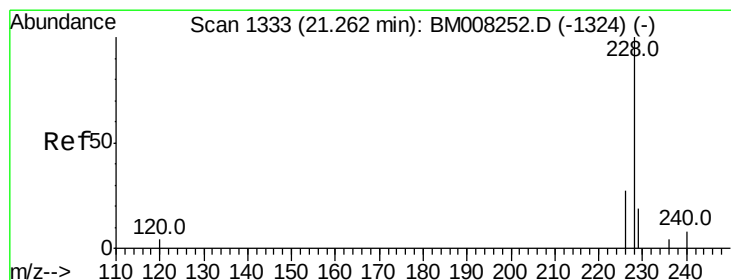
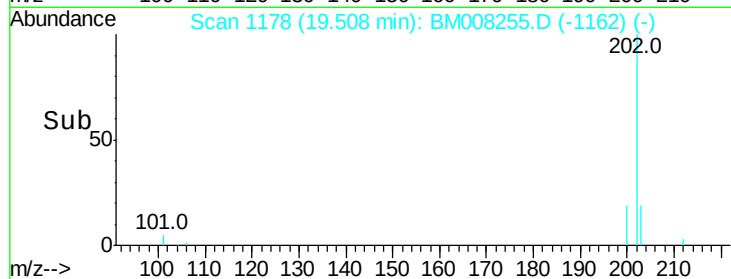
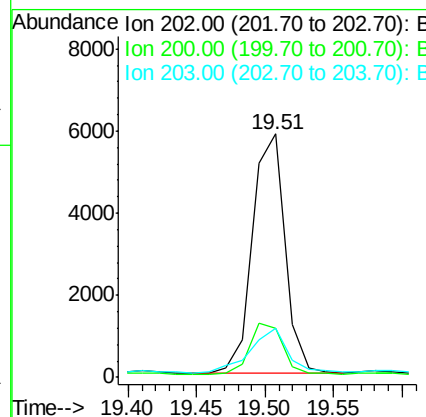
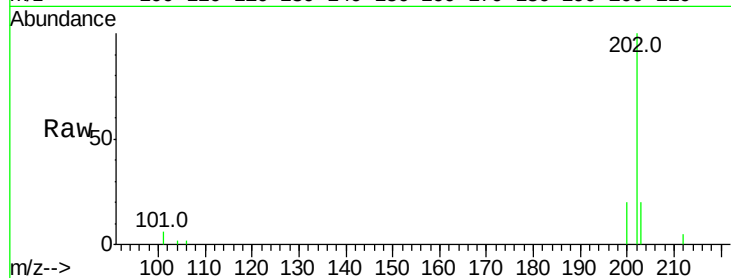
#17
Pvrene
Concen: 1.27 ng/ul
RT: 19.51 min Scan# 1178
Delta R.T. -0.01 min
Lab File: BM008255.D
Acq: 11 Dec 2016 04:52

Instrument :
BNA_M
ClientSampleId :
DA7Y5DL

Tot Ion:	202	Resp:	9655
Ion Ratio	Lower	Upper	
202	100		
200	20.0	18.2	27.4
203	20.3	15.6	23.4

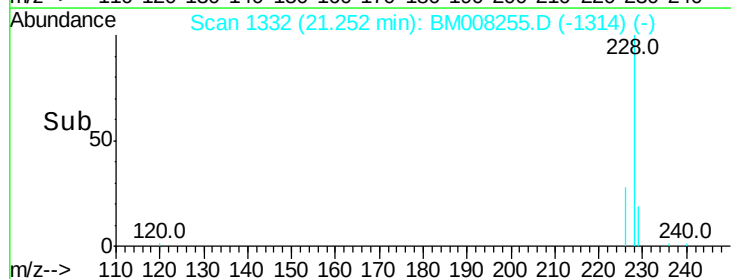
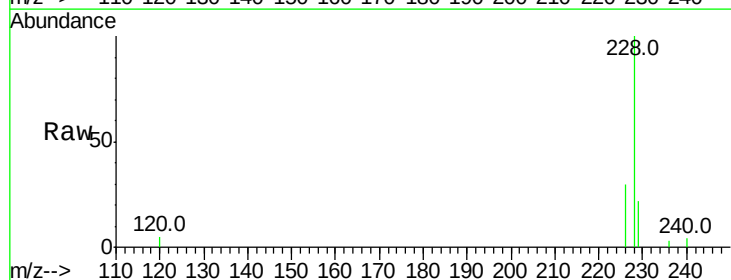
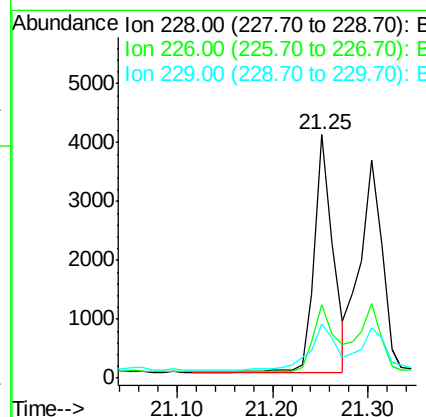
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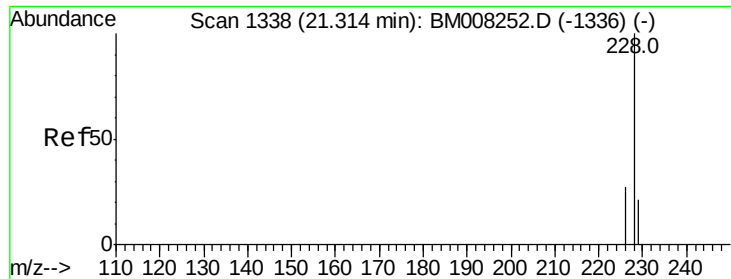
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#18
Benzo(a)anthracene
Concen: 0.81 ng/ul
RT: 21.25 min Scan# 1332
Delta R.T. -0.01 min
Lab File: BM008255.D
Acq: 11 Dec 2016 04:52

Tgt Ion:	228	Resp:	5450
Ion Ratio	Lower	Upper	
228	100		
226	30.4	22.8	34.2
229	22.4	17.0	25.6





#19

Chrysene

Concen: 0.71 ng/ul

RT: 21.30 min Scan# 1337

Delta R.T. -0.01 min

Lab File: BM008255.D

Acq: 11 Dec 2016 04:52

Instrument :

BNA_M

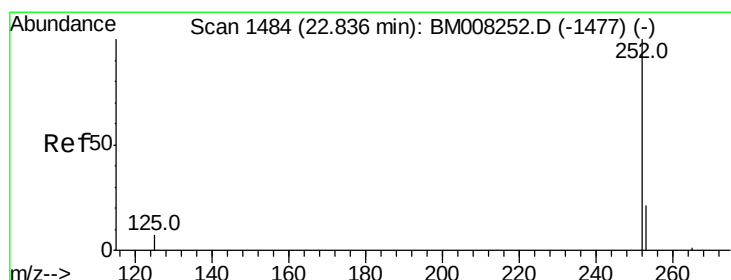
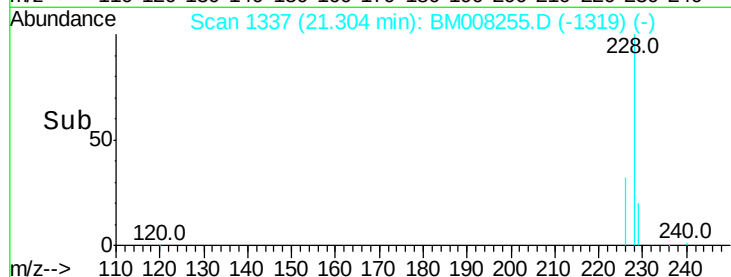
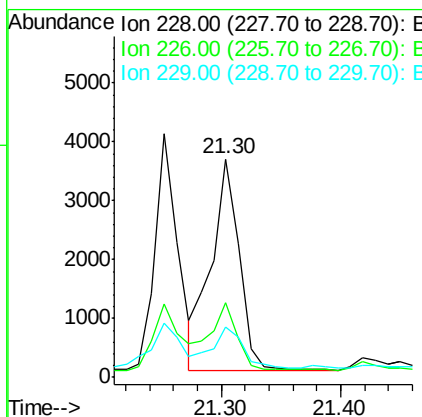
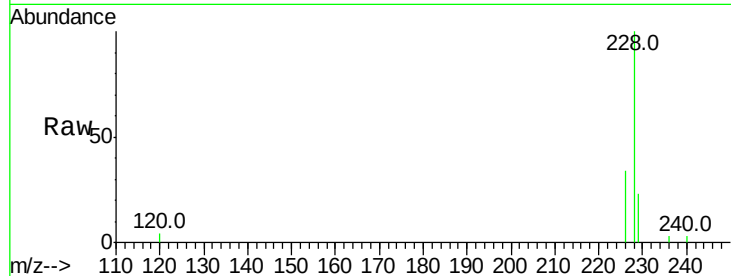
ClientSampleId :

DA7Y5DL

Tot Ion:	228	Resp:	5900
Ion	Ratio	Lower	Upper
228	100		
226	34.0	23.4	35.0
229	22.8	17.7	26.5

Manual Integrations
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#21

Benzo(b)fluoranthene

Concen: 1.28 ng/ul m

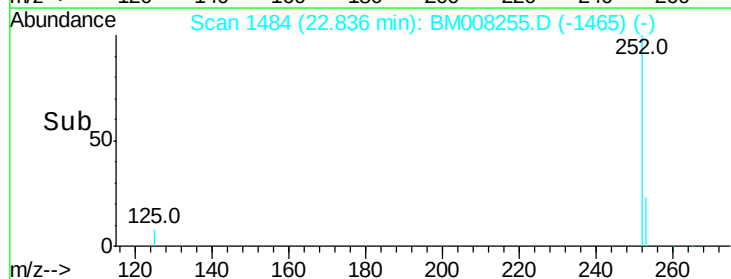
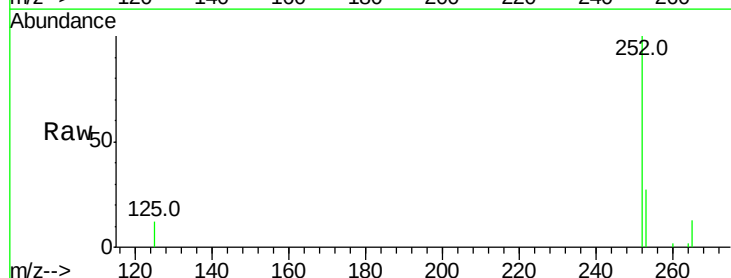
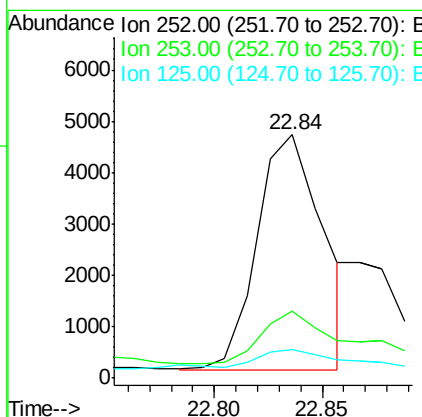
RT: 22.84 min Scan# 1484

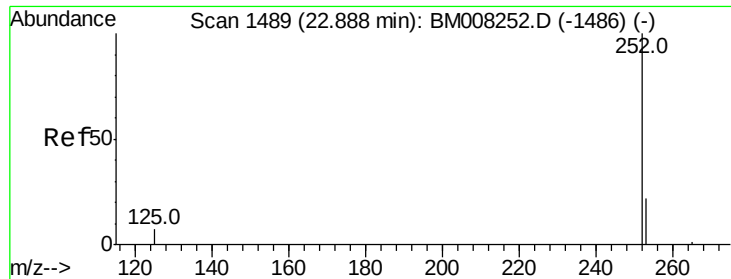
Delta R.T. -0.00 min

Lab File: BM008255.D

Acq: 11 Dec 2016 04:52

Tgt Ion:	252	Resp:	9809
Ion	Ratio	Lower	Upper
252	100		
253	27.5	0.0	64.2
125	11.6	0.0	35.0





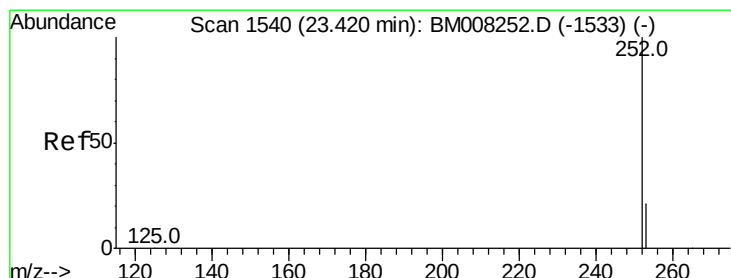
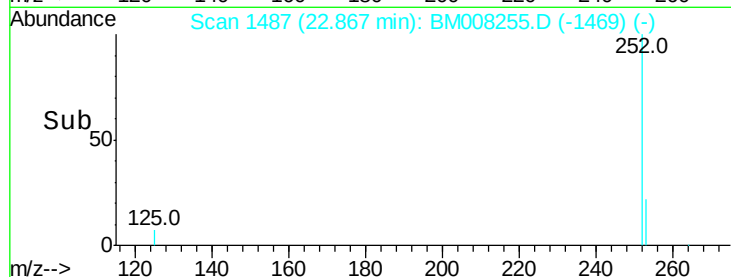
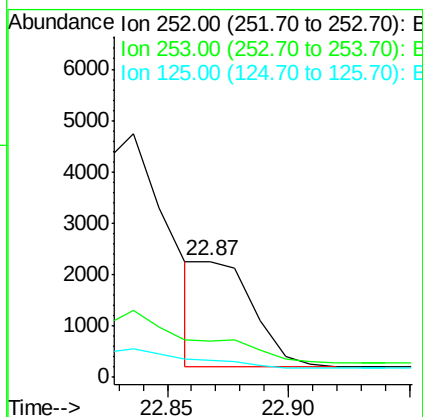
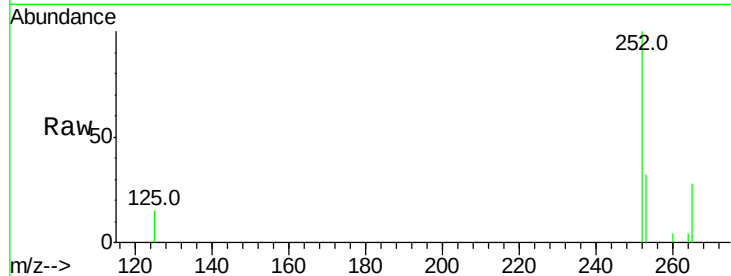
#22
Benzo(k)fluoranthene
Concen: 0.41 ng/ul m
RT: 22.87 min Scan# 1487
Delta R.T. -0.01 min
Lab File: BM008255.D
Acq: 11 Dec 2016 04:52

Instrument :
BNA_M
ClientSampleId :
DA7Y5DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	31.5	24.5	36.7
125	14.6	13.7	20.5

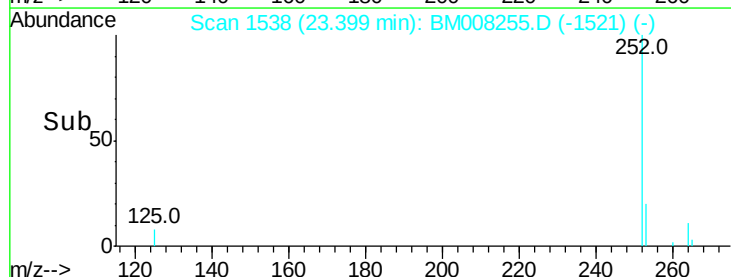
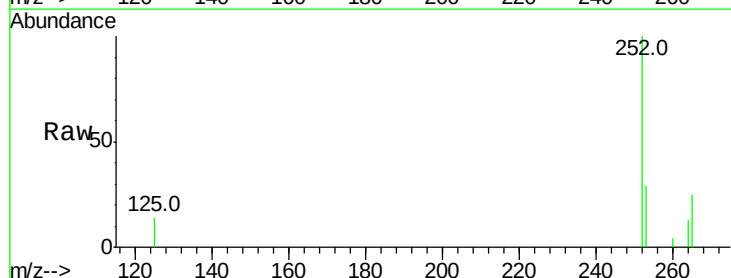
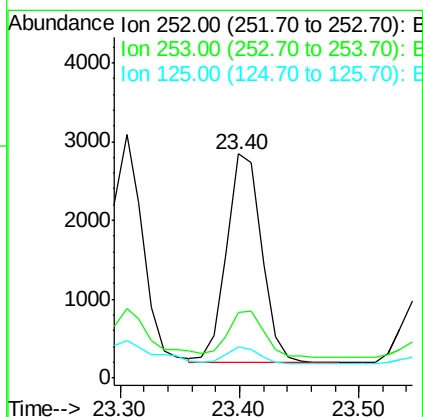
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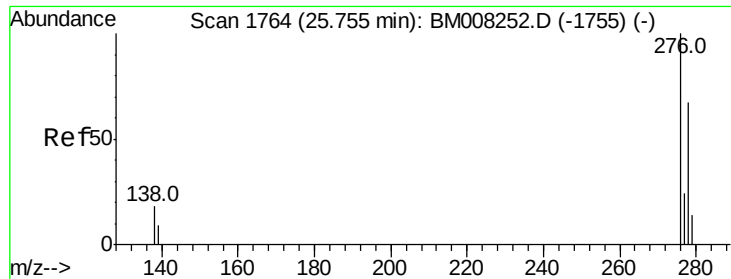
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#23
Benzo(a)pyrene
Concen: 0.76 ng/ul
RT: 23.40 min Scan# 1538
Delta R.T. -0.02 min
Lab File: BM008255.D
Acq: 11 Dec 2016 04:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	29.4	28.5	42.7
125	14.0	18.1	27.1#





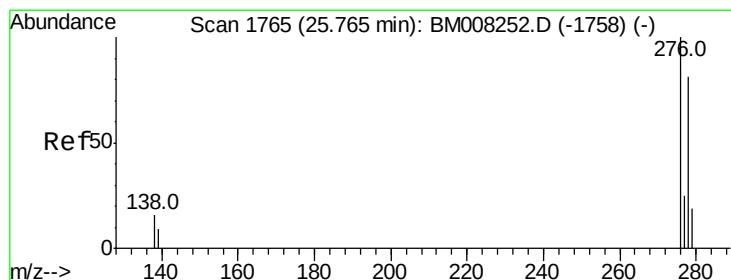
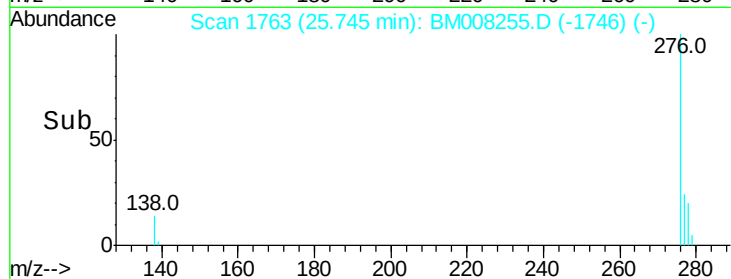
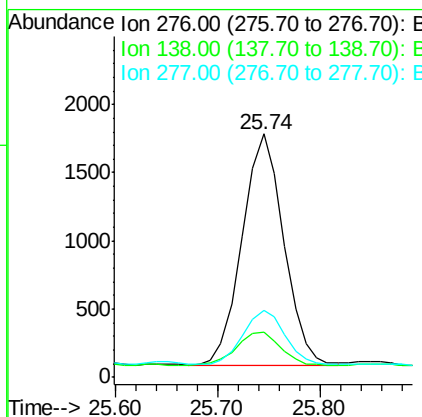
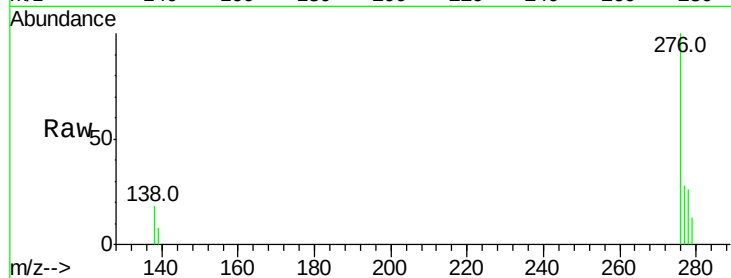
#24
Indeno(1,2,3-cd)pyrene
Concen: 0.54 ng/ul
RT: 25.74 min Scan# 1763
Delta R.T. -0.02 min
Lab File: BM008255.D
Acq: 11 Dec 2016 04:52

Instrument :
BNA_M
ClientSampleId :
DA7Y5DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	15.1	19.1	28.7#
277	23.4	19.6	29.4

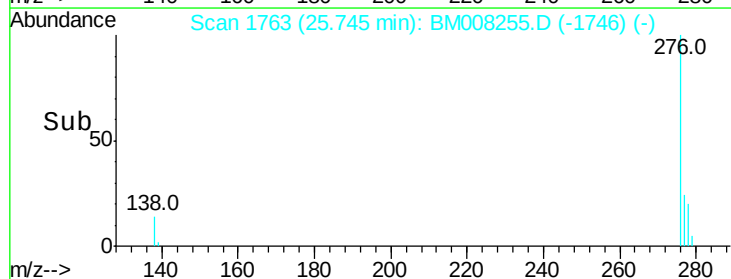
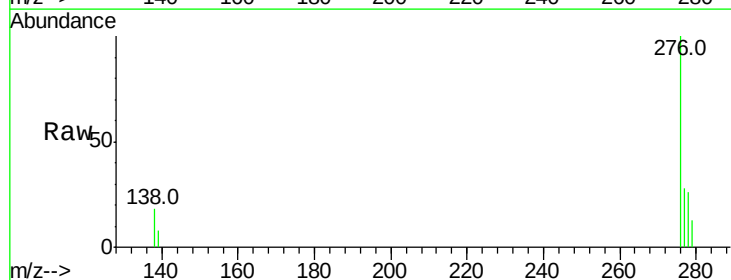
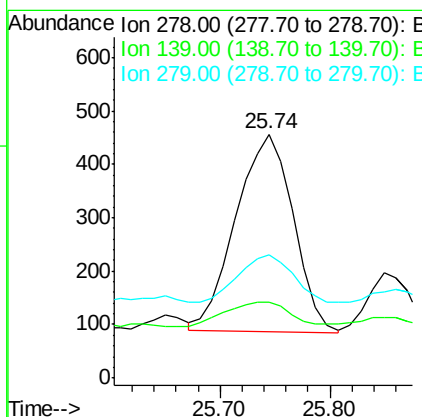
Manual Integrations
APPROVED

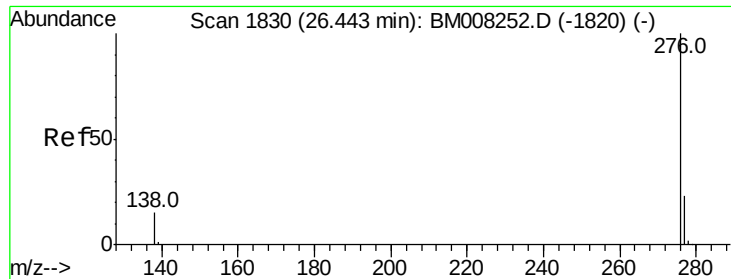
UMANGI
12/12/2016 6:50:43 PM



#25
Dibenzo(a,h)anthracene
Concen: 0.19 ng/ul
RT: 25.74 min Scan# 1763
Delta R.T. -0.02 min
Lab File: BM008255.D
Acq: 11 Dec 2016 04:52

Tgt Ion	Ratio	Lower	Upper
278	100		
139	31.4	17.4	26.0#
279	50.4	25.9	38.9#





#26
 Benzo(a,h,i)perylene
 Concen: 0.61 ng/ul
 RT: 26.43 min Scan# 1829
 Delta R.T. -0.01 min
 Lab File: BM008255.D
 Acq: 11 Dec 2016 04:52

Instrument :
 BNA_M
 ClientSampleId :
 DA7Y5DL

Tot Ion	Ratio	Lower	Upper
276	100		
277	27.4	21.8	32.8
138	19.4	20.5	30.7

Manual Integrations
 APPROVED

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