

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121216\
 Data File : BM008267.D
 Acq On : 12 Dec 2016 17:21
 Operator : UM/SJ
 Sample : H5905-04DL 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA806DL

Manual Integrations
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Quant Time: Dec 13 03:07:51 2016
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM112116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 13 02:27:35 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.70	152	541	0.40	ng/ul	0.00
2) Naphthalene-d8	10.48	136	1817	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.33	164	1034	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.07	188	1744	0.40	ng/ul	-0.02
16) Chrysene-d12	21.27	240	1526	0.40	ng/ul	-0.01
20) Perylene-d12	23.51	264	1499	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.07	152	102	0.04	ng/ul	0.00
14) Fluoranthene-d10	19.11	212	224m	0.05	ng/ul	-0.01
Target Compounds						
					Ovalue	
3) Naphthalene	10.52	128	836	0.16	ng/ul#	82
5) 2-Methylnaphthalene	12.14	142	686	0.21	ng/ul	98
7) Acenaphthylene	14.04	152	594	0.13	ng/ul#	77
8) Acenaphthene	14.38	153	276	0.08	ng/ul#	92
9) Fluorene	15.38	166	195m	0.05	ng/ul	
12) Phenanthrene	17.11	178	2658	0.49	ng/ul	97
13) Anthracene	17.21	178	1031m	0.20	ng/ul	
15) Fluoranthene	19.14	202	5532	0.79	ng/ul	96
17) Pyrene	19.51	202	5584	1.05	ng/ul	98
18) Benzo(a)anthracene	21.25	228	3483m	0.74	ng/ul	
19) Chrysene	21.30	228	4235m	0.73	ng/ul	
21) Benzo(b)fluoranthene	22.84	252	7659m	1.28	ng/ul	
22) Benzo(k)fluoranthene	22.88	252	2000m	0.32	ng/ul	
23) Benzo(a)pyrene	23.41	252	3677	0.66	ng/ul#	89
24) Indeno(1,2,3-cd)pyrene	25.76	276	3047	0.44	ng/ul#	90
25) Dibenzo(a,h)anthracene	25.76	278	839	0.15	ng/ul#	69
26) Benzo(a,h,i)perylene	26.44	276	2398	0.39	ng/ul	94

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

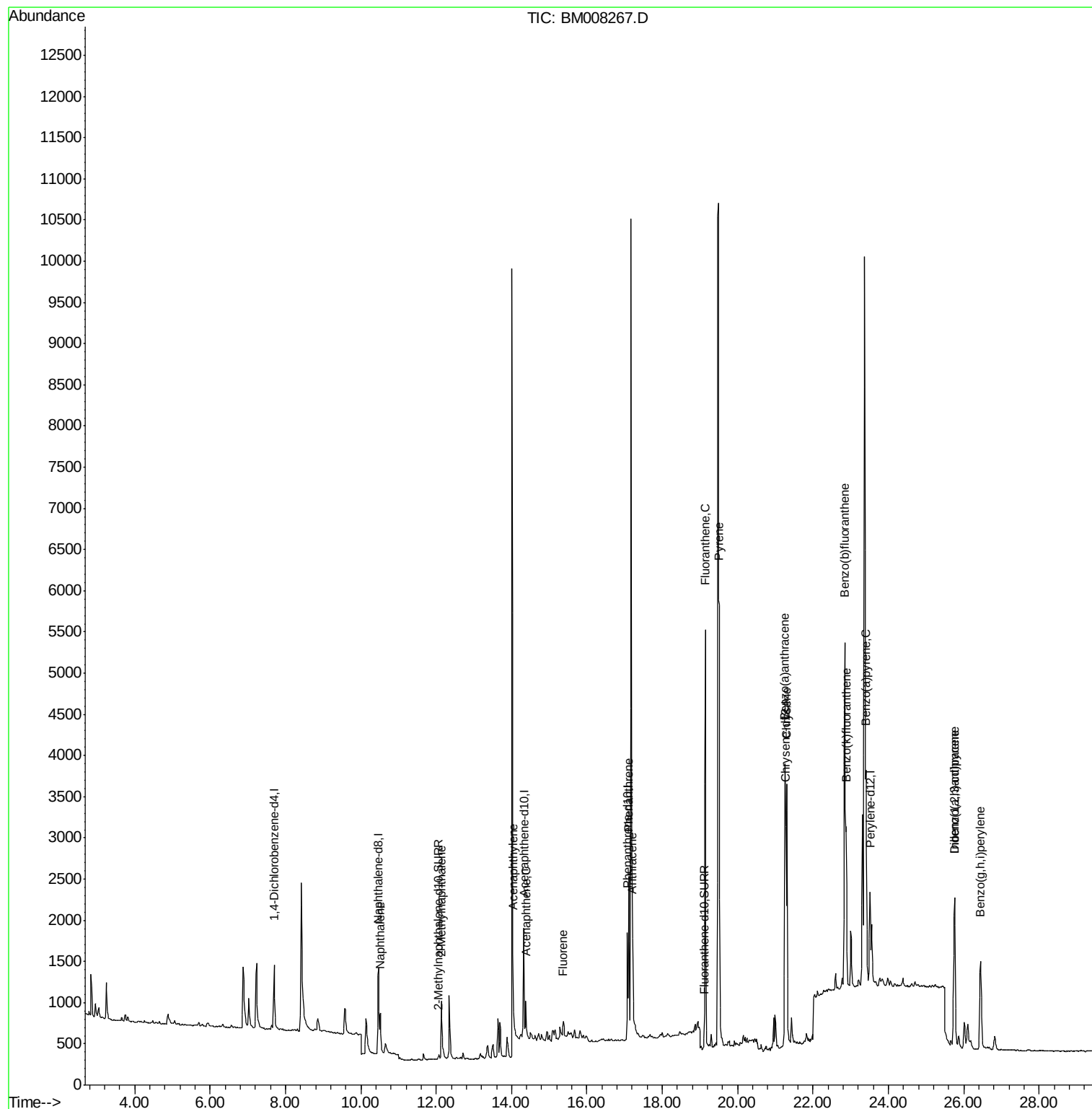
Data Path : Z:\HPCHEM1\BNA M\DATA\BM121216\
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ALS Vial : 11 Sample Multiplier: 1

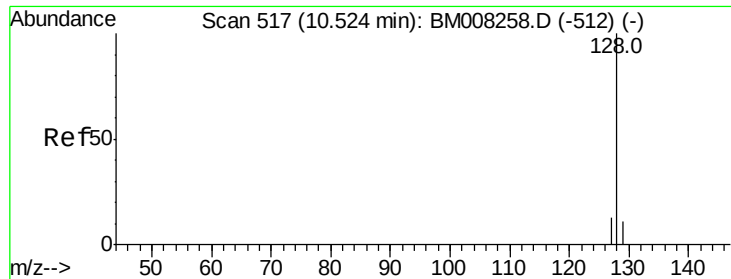
Instrument :
BNA_M
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DA806DL

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Quant Time: Dec 13 03:07:51 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM112116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 13 02:27:35 2016
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.16 ng/ul

RT: 10.52 min Scan# 517

Delta R.T. 0.00 min

Lab File: BM008267.D

Acq: 12 Dec 2016 17:21

Instrument :

BNA_M

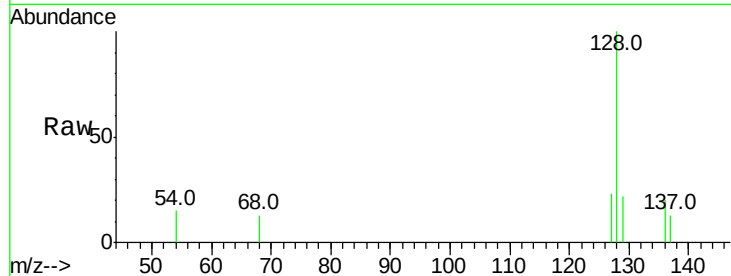
ClientSampleId :

DA806DL

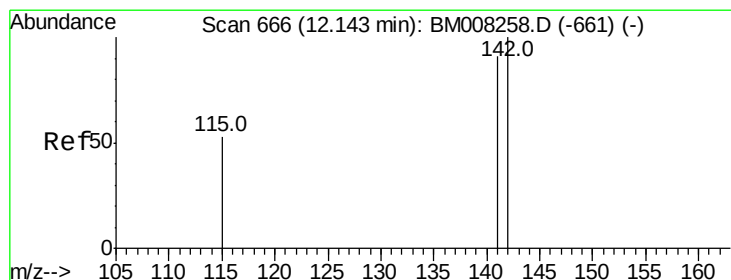
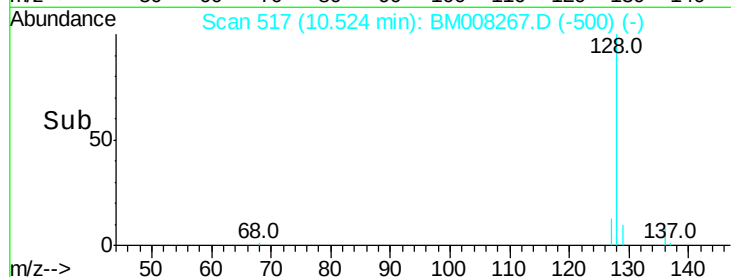
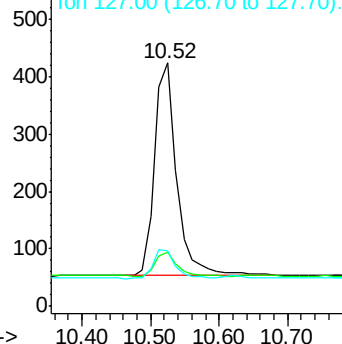
Tot Ion:	128	Resp:	836
Ion	Ratio	Lower	Upper
128	100		
129	22.2	11.3	16.9#
127	22.6	12.8	19.2#

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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: 0.21 ng/ul

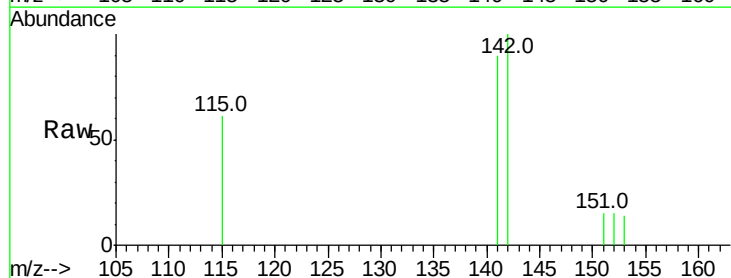
RT: 12.14 min Scan# 666

Delta R.T. 0.00 min

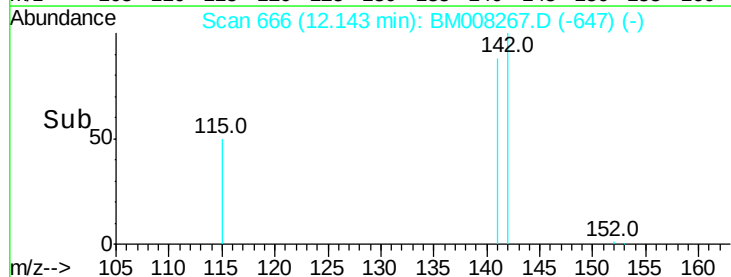
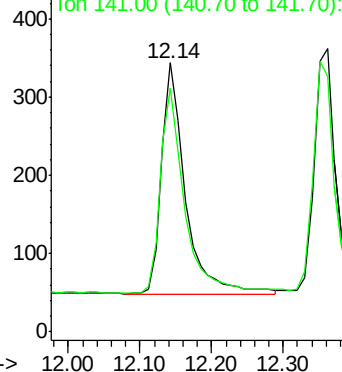
Lab File: BM008267.D

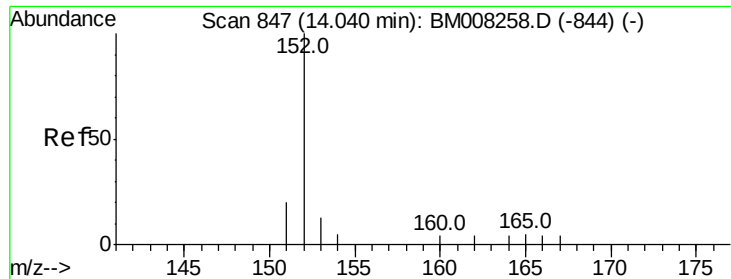
Acq: 12 Dec 2016 17:21

Tgt Ion:	142	Resp:	686
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





#7

Acenaphthylene

Concen: 0.13 ng/ul

RT: 14.04 min Scan# 847

Delta R.T. 0.00 min

Lab File: BM008267.D

Acq: 12 Dec 2016 17:21

Instrument :

BNA_M

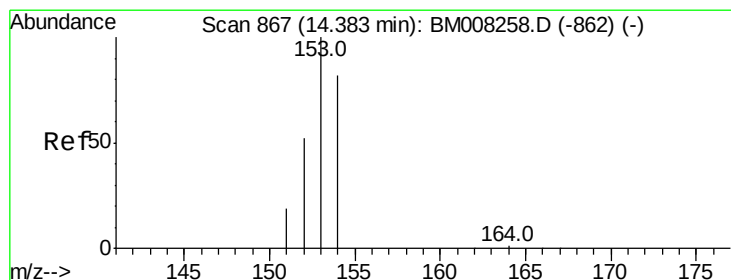
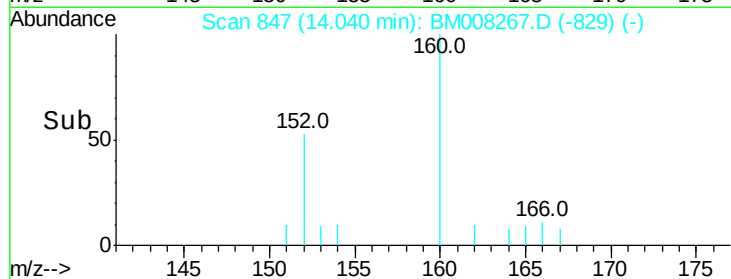
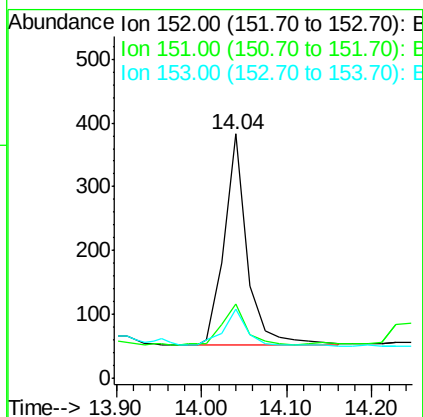
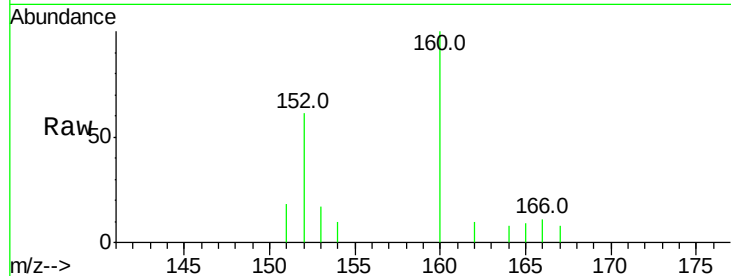
ClientSampled :

DA806DL

Tot Ion:	152	Resp:	594
Ion Ratio	Lower	Upper	
152	100		
151	30.3	17.1	25.7#
153	28.2	12.8	19.2#

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#8

Acenaphthene

Concen: 0.08 ng/ul

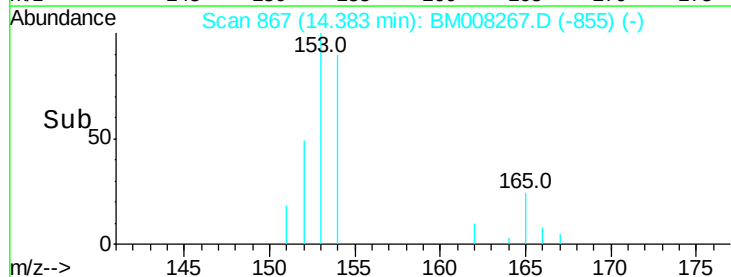
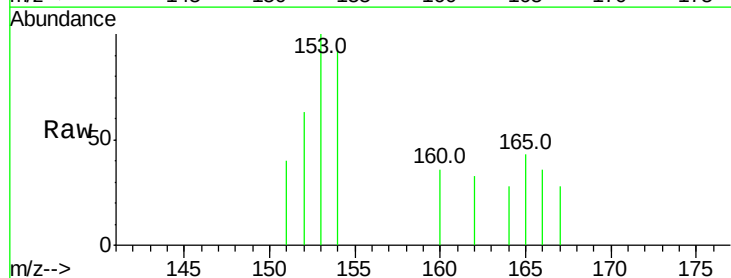
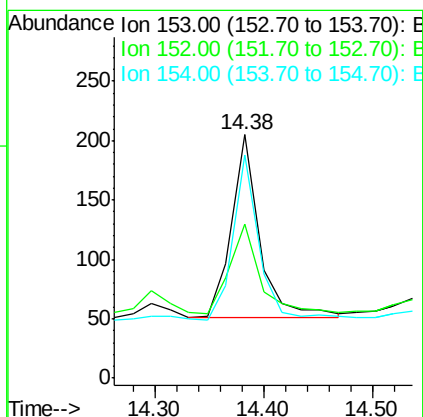
RT: 14.38 min Scan# 867

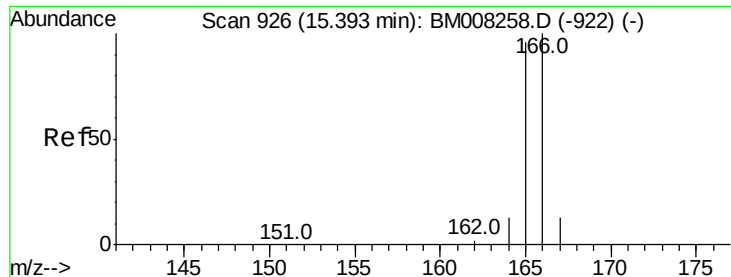
Delta R.T. 0.00 min

Lab File: BM008267.D

Acq: 12 Dec 2016 17:21

Tgt Ion:	153	Resp:	276
Ion Ratio	Lower	Upper	
153	100		
152	63.4	40.3	60.5#
154	91.7	71.4	107.2





#9

Fluorene

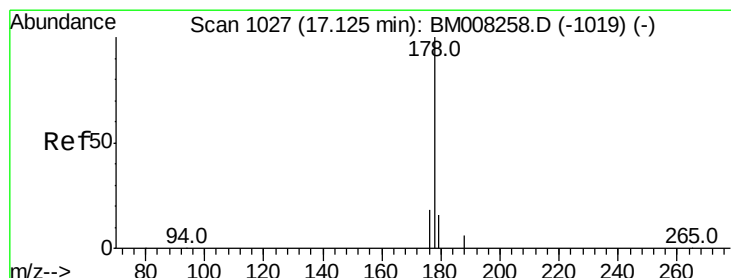
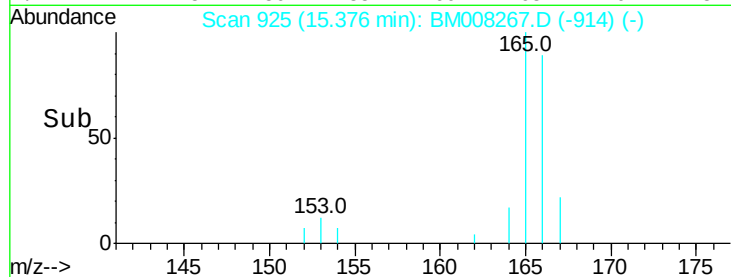
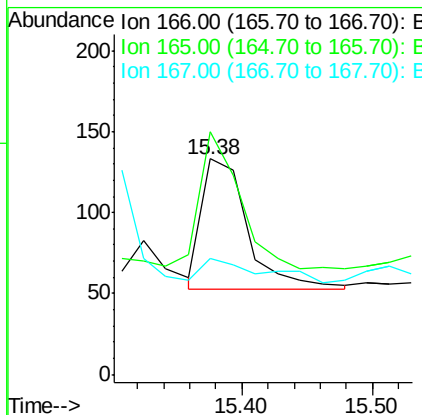
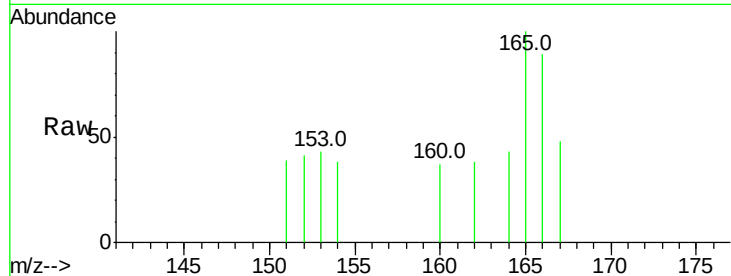
Concen: 0.05 ng/ul m
RT: 15.38 min Scan# 925
Delta R.T. -0.02 min
Lab File: BM008267.D
Acq: 12 Dec 2016 17:21

Instrument :
BNA_M
ClientSampleId :
DA806DL

Tot Ion	Ratio	Lower	Upper
166	100		
165	112.8	73.4	110.2#
167	54.1	14.6	22.0#

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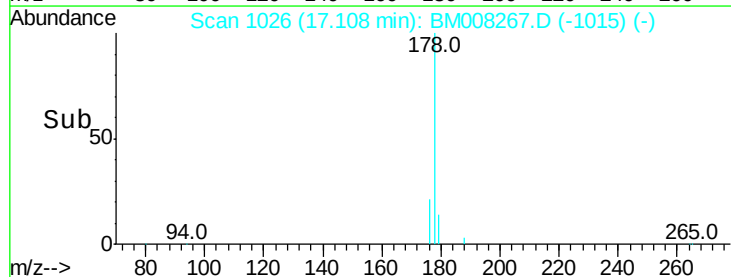
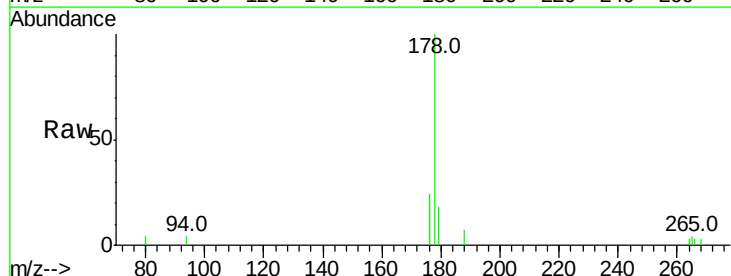
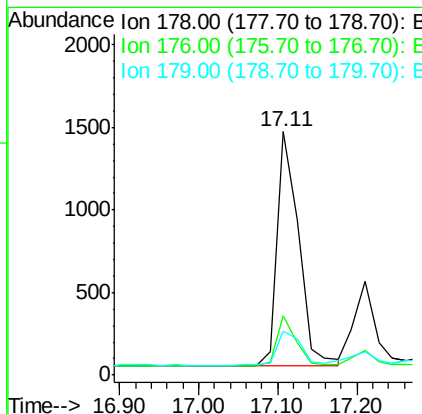


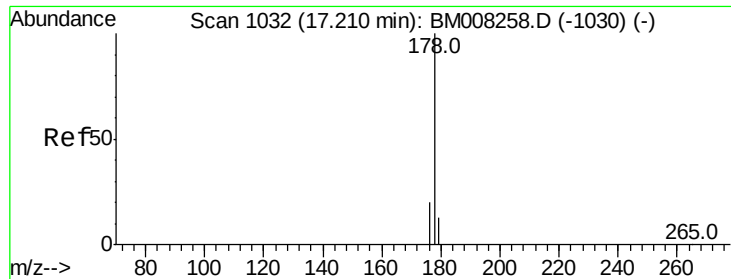
#12

Phenanthrene

Concen: 0.49 ng/ul
RT: 17.11 min Scan# 1026
Delta R.T. -0.02 min
Lab File: BM008267.D
Acq: 12 Dec 2016 17:21

Tgt Ion	Ratio	Lower	Upper
178	100		
176	24.5	18.4	27.6
179	18.1	13.6	20.4





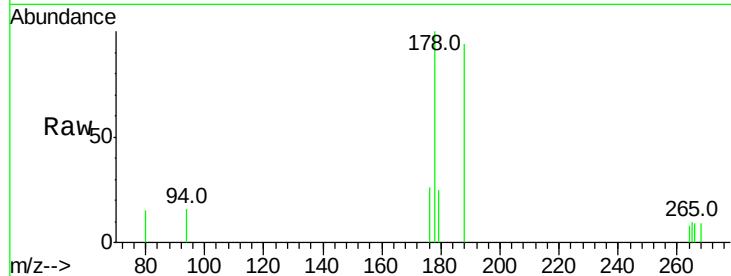
#13
 Anthracene
 Concen: 0.20 ng/ul m
 RT: 17.21 min Scan# 1032
 Delta R.T. 0.00 min
 Lab File: BM008267.D
 Acq: 12 Dec 2016 17:21

Instrument :
 BNA_M
 ClientSampleId :
 DA806DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	26.3	18.1	27.1
179	25.2	14.7	22.1

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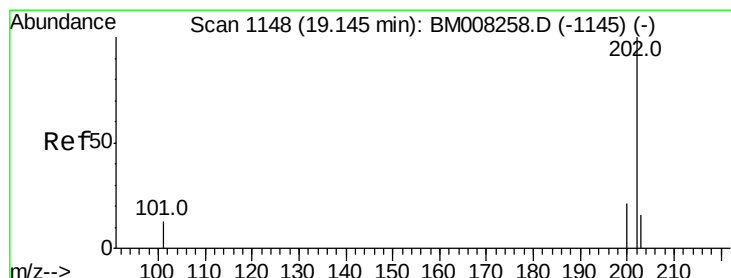
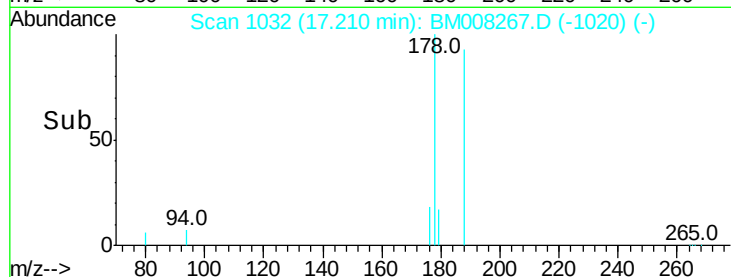
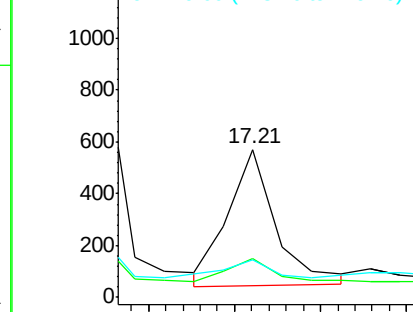


Abundance

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



#15
 Fluoranthene
 Concen: 0.79 ng/ul
 RT: 19.14 min Scan# 1148
 Delta R.T. 0.00 min
 Lab File: BM008267.D
 Acq: 12 Dec 2016 17:21

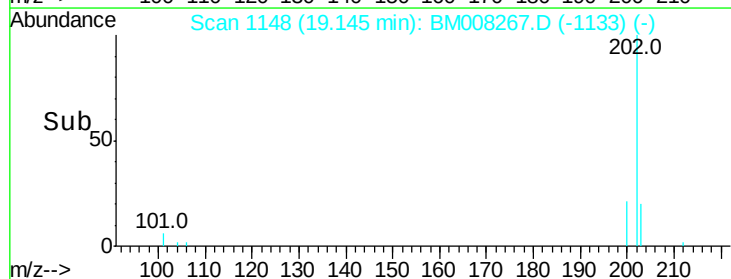
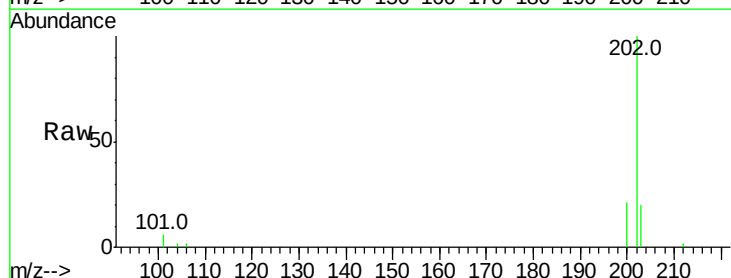
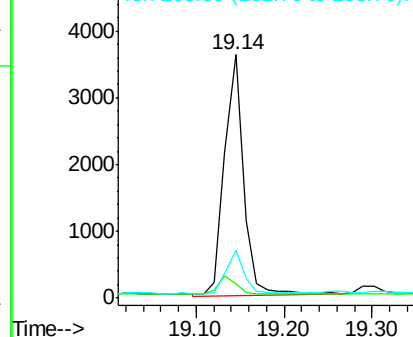
Tgt Ion	Ratio	Lower	Upper
202	100		
101	6.0	0.0	30.3
203	19.6	0.0	39.5

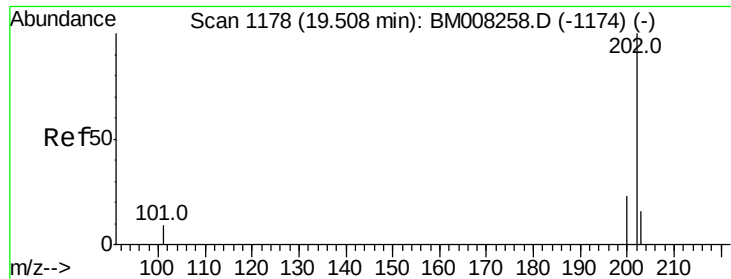
Abundance

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





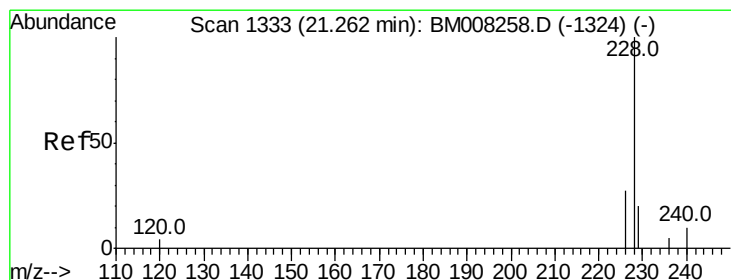
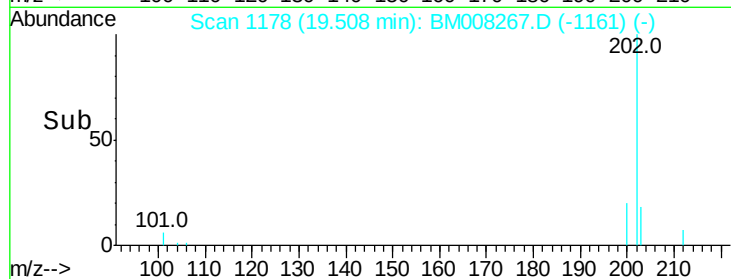
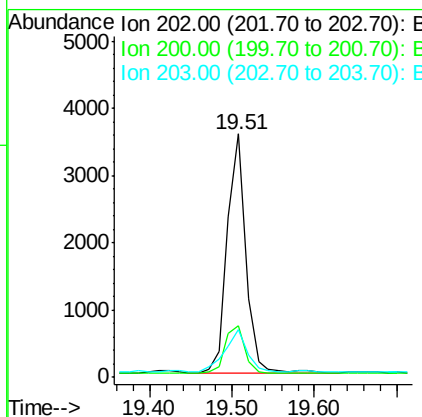
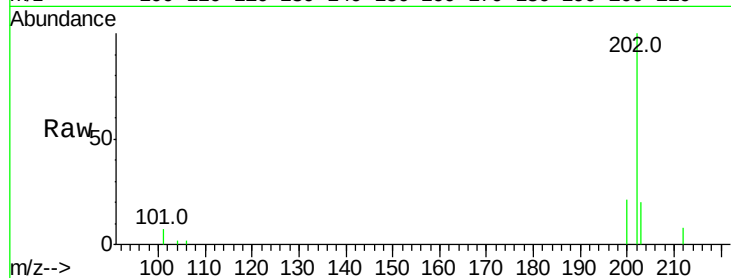
#17
Pvrene
Concen: 1.05 ng/ul
RT: 19.51 min Scan# 1178
Delta R.T. 0.00 min
Lab File: BM008267.D
Acq: 12 Dec 2016 17:21

Instrument :
BNA_M
ClientSampleId :
DA806DL

Tot Ion:	202	Resp:	5584
Ion Ratio	Lower	Upper	
202	100		
200	21.1	18.2	27.4
203	19.8	15.6	23.4

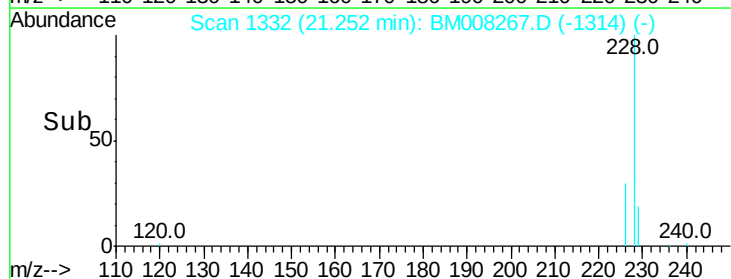
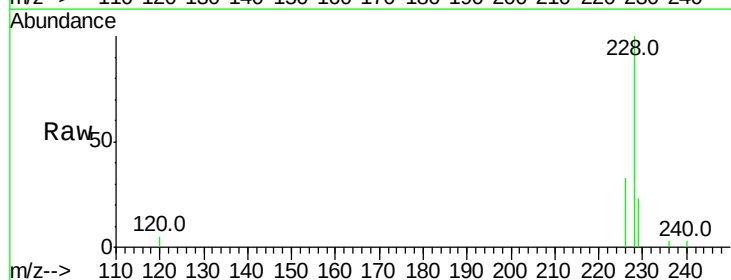
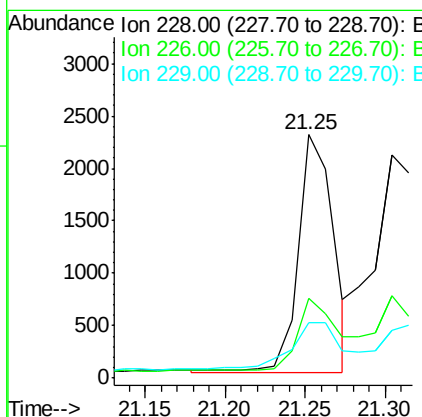
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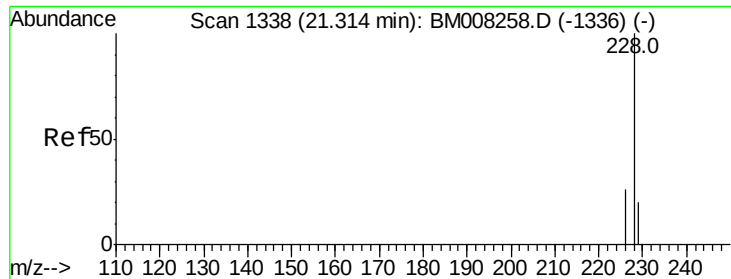
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#18
Benzo(a)anthracene
Concen: 0.74 ng/ul m
RT: 21.25 min Scan# 1332
Delta R.T. -0.01 min
Lab File: BM008267.D
Acq: 12 Dec 2016 17:21

Tgt Ion:	228	Resp:	3483
Ion Ratio	Lower	Upper	
228	100		
226	32.7	22.8	34.2
229	22.5	17.0	25.6





#19

Chrysene

Concen: 0.73 ng/ul m

RT: 21.30 min Scan# 1337

Delta R.T. -0.01 min

Lab File: BM008267.D

Acq: 12 Dec 2016 17:21

Instrument :

BNA_M

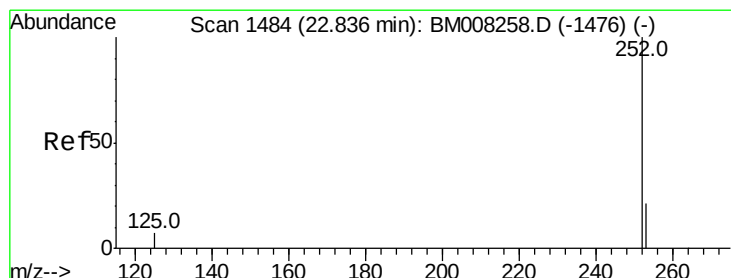
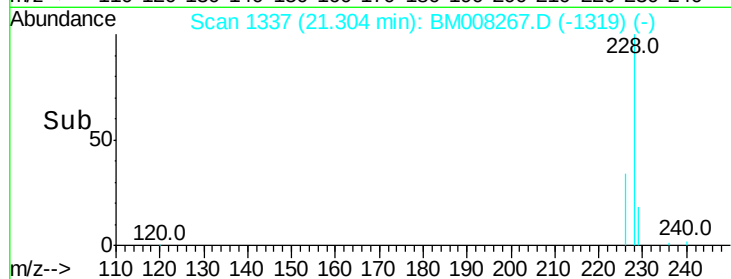
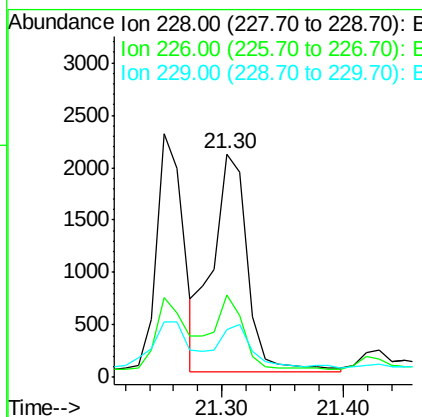
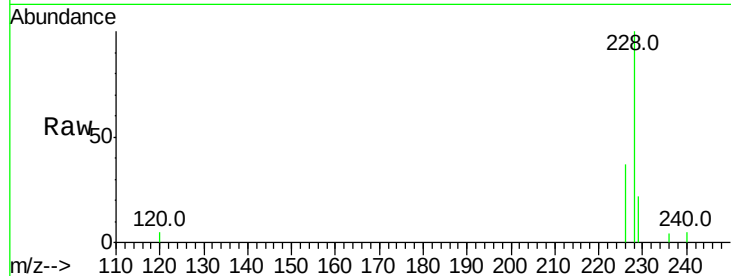
ClientSampleId :

DA806DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	36.6	23.4	35.0#
229	21.5	17.7	26.5

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#21

Benzo(b)fluoranthene

Concen: 1.28 ng/ul m

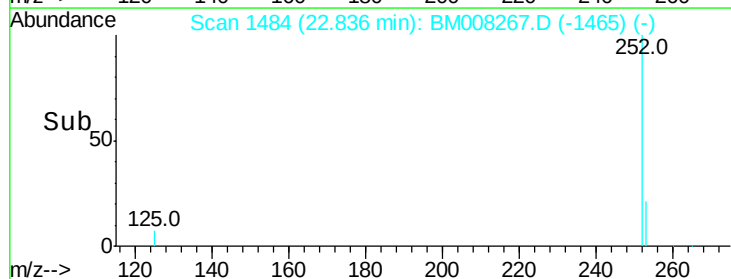
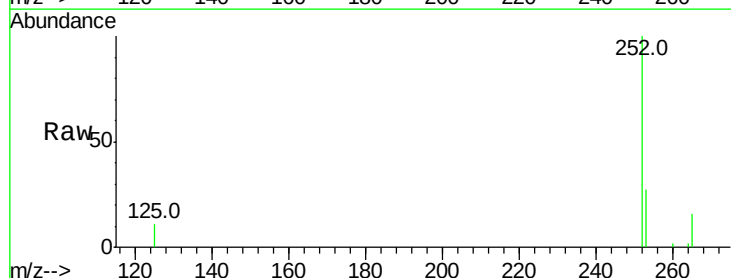
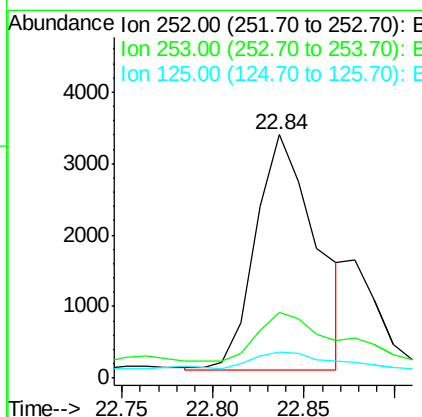
RT: 22.84 min Scan# 1484

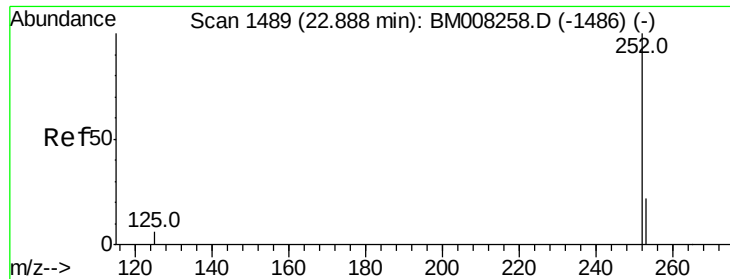
Delta R.T. 0.00 min

Lab File: BM008267.D

Acq: 12 Dec 2016 17:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.9	0.0	64.2
125	10.9	0.0	35.0





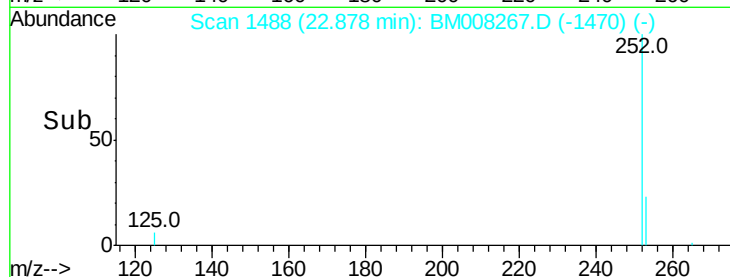
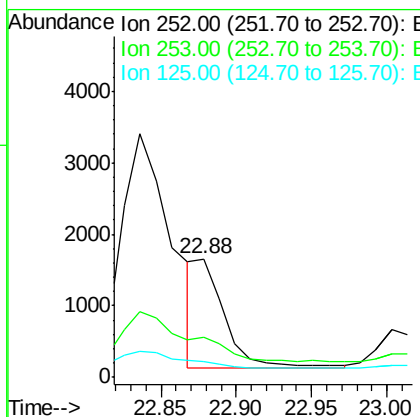
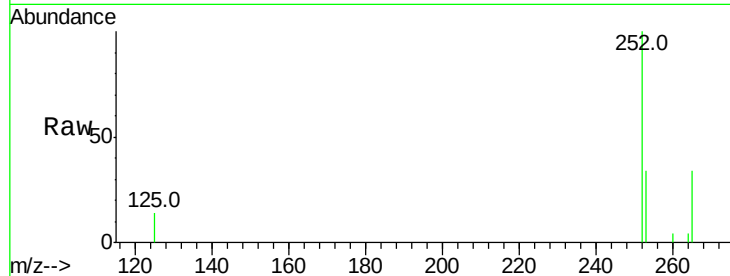
#22
Benzo(k)fluoranthene
Concen: 0.32 ng/ul m
RT: 22.88 min Scan# 1488
Delta R.T. -0.01 min
Lab File: BM008267.D
Acq: 12 Dec 2016 17:21

Instrument :
BNA_M
ClientSampleId :
DA806DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	33.7	24.5	36.7
125	13.8	13.7	20.5

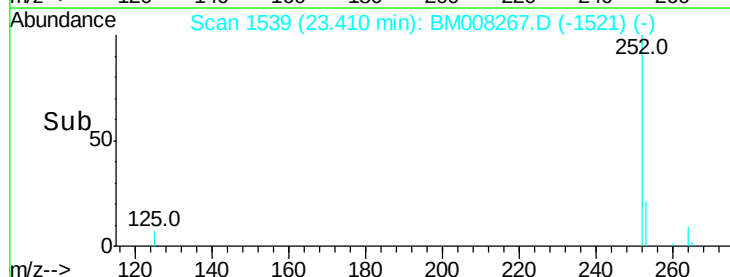
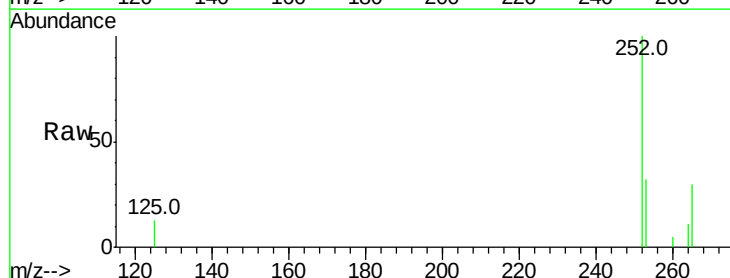
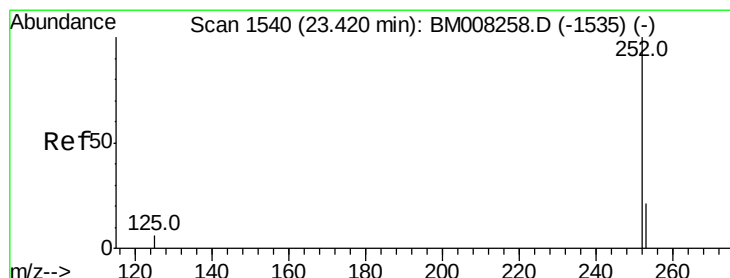
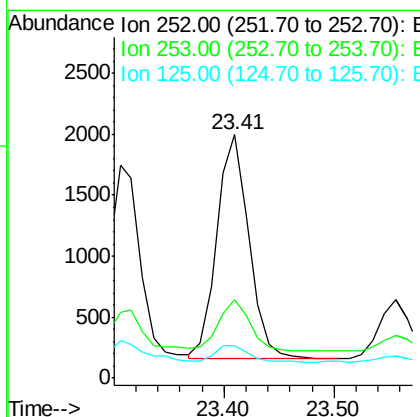
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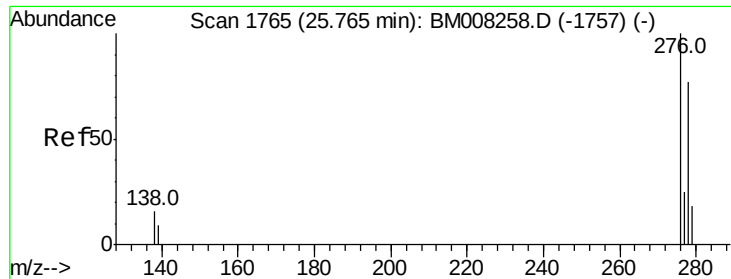
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#23
Benzo(a)pyrene
Concen: 0.66 ng/ul
RT: 23.41 min Scan# 1539
Delta R.T. -0.01 min
Lab File: BM008267.D
Acq: 12 Dec 2016 17:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	32.1	28.5	42.7
125	13.4	18.1	27.1#





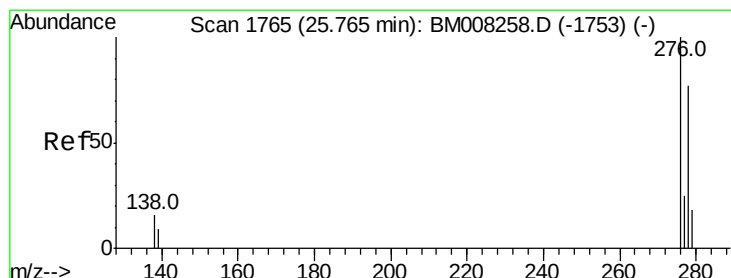
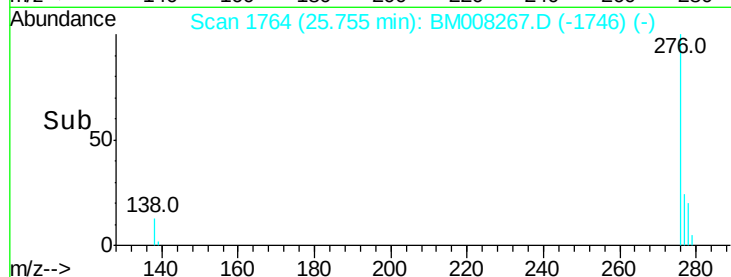
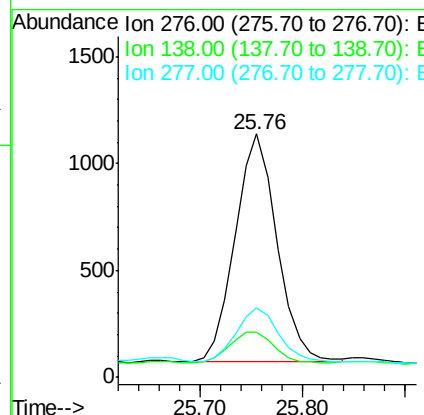
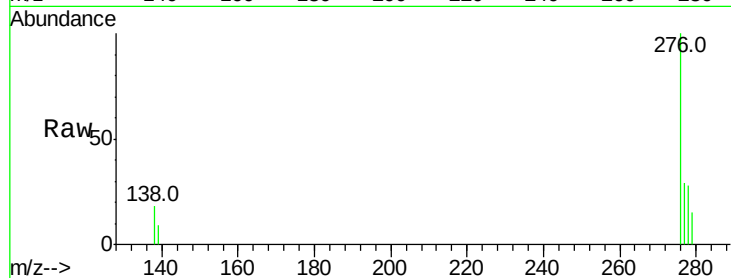
#24
 Indeno(1,2,3-cd)pyrene
 Concen: 0.44 ng/ul
 RT: 25.76 min Scan# 1764
 Delta R.T. -0.01 min
 Lab File: BM008267.D
 Acq: 12 Dec 2016 17:21

Instrument :
 BNA_M
 ClientSampleId :
 DA806DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	14.7	19.1	28.7#
277	23.9	19.6	29.4

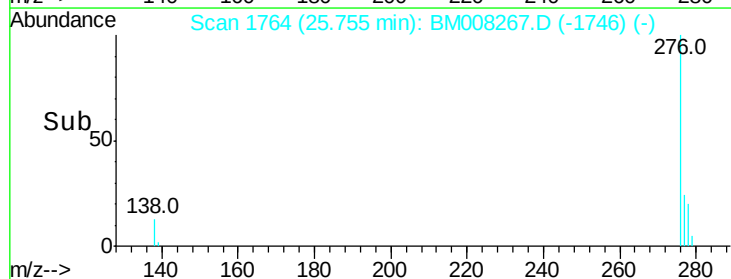
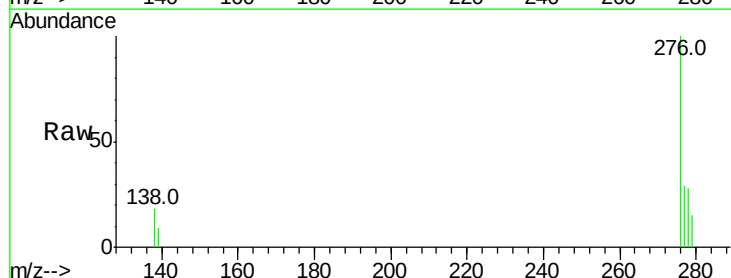
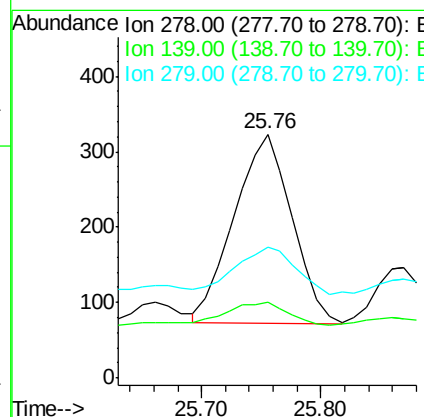
Manual Integrations
 APPROVED

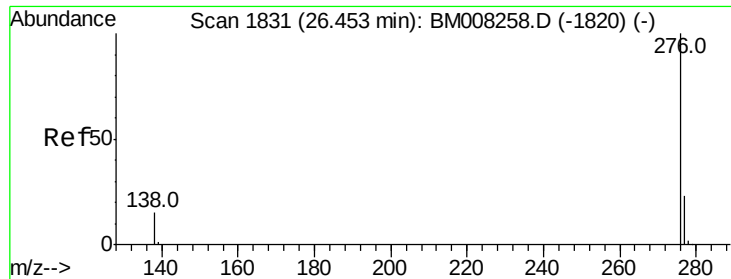
umangi
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#25
 Dibenzo(a,h)anthracene
 Concen: 0.15 ng/ul
 RT: 25.76 min Scan# 1764
 Delta R.T. -0.01 min
 Lab File: BM008267.D
 Acq: 12 Dec 2016 17:21

Tgt Ion	Ratio	Lower	Upper
278	100		
139	31.0	17.4	26.0#
279	53.9	25.9	38.9#





#26
 Benzo(a,h,i)perylene
 Concen: 0.39 ng/ul
 RT: 26.44 min Scan# 1830
 Delta R.T. -0.01 min
 Lab File: BM008267.D
 Acq: 12 Dec 2016 17:21

Instrument :
 BNA_M
 ClientSampleId :
 DA806DL

Tot Ion:	276	Resp:	2398
Ion Ratio	Lower	Upper	
276	100		
277	29.5	21.8	32.8
138	21.4	20.5	30.7

Manual Integrations
 APPROVED

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