

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121916\
 Data File : BM008467.D
 Acq On : 20 Dec 2016 06:35
 Operator : UM/SJ
 Sample : H5970-02
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Manual Integrations
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Quant Time: Dec 20 13:47:35 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 04:48:59 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	545	0.40	ng/ul	-0.06
2) Naphthalene-d8	10.43	136	2022	0.40	ng/ul	-0.06
6) Acenaphthene-d10	14.28	164	1320m	0.40	ng/ul	-0.03
10) Phenanthrene-d10	17.04	188	1947m	0.40	ng/ul	-0.05
16) Chrysene-d12	21.25	240	1985	0.40	ng/ul	-0.02
20) Perylene-d12	23.47	264	1760m	0.40	ng/ul	-0.03
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.02	152	718	0.23	ng/ul	-0.08
14) Fluoranthene-d10	19.08	212	1663	0.31	ng/ul	-0.03
Target Compounds					Ovalue	
3) Naphthalene	10.48	128	10316	1.81	ng/ul	95
5) 2-Methylnaphthalene	12.09	142	10667	2.79	ng/ul	99
7) Acenaphthylene	14.01	152	5048	0.85	ng/ul#	94
8) Acenaphthene	14.35	153	2971	0.66	ng/ul	99
9) Fluorene	15.34	166	5082	0.99	ng/ul#	76
12) Phenanthrene	17.07	178	44868	7.55	ng/ul	98
13) Anthracene	17.18	178	11946	2.07	ng/ul	96
15) Fluoranthene	19.11	202	83271	11.42	ng/ul	94
17) Pyrene	19.47	202	88366	11.52	ng/ul	96
18) Benzo(a)anthracene	21.23	228	63279	9.71	ng/ul	96
19) Chrysene	21.28	228	65056	9.12	ng/ul	98
21) Benzo(b)fluoranthene	22.81	252	129174m	18.63	ng/ul	
22) Benzo(k)fluoranthene	22.84	252	41666m	6.16	ng/ul	
23) Benzo(a)pyrene	23.37	252	81711m	12.71	ng/ul	
24) Indeno(1,2,3-cd)pyrene	25.69	276	70844m	9.25	ng/ul	
25) Dibenzo(a,h)anthracene	25.69	278	19302m	3.15	ng/ul	
26) Benzo(a,h,i)perylene	26.38	276	73060m	11.12	ng/ul	

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

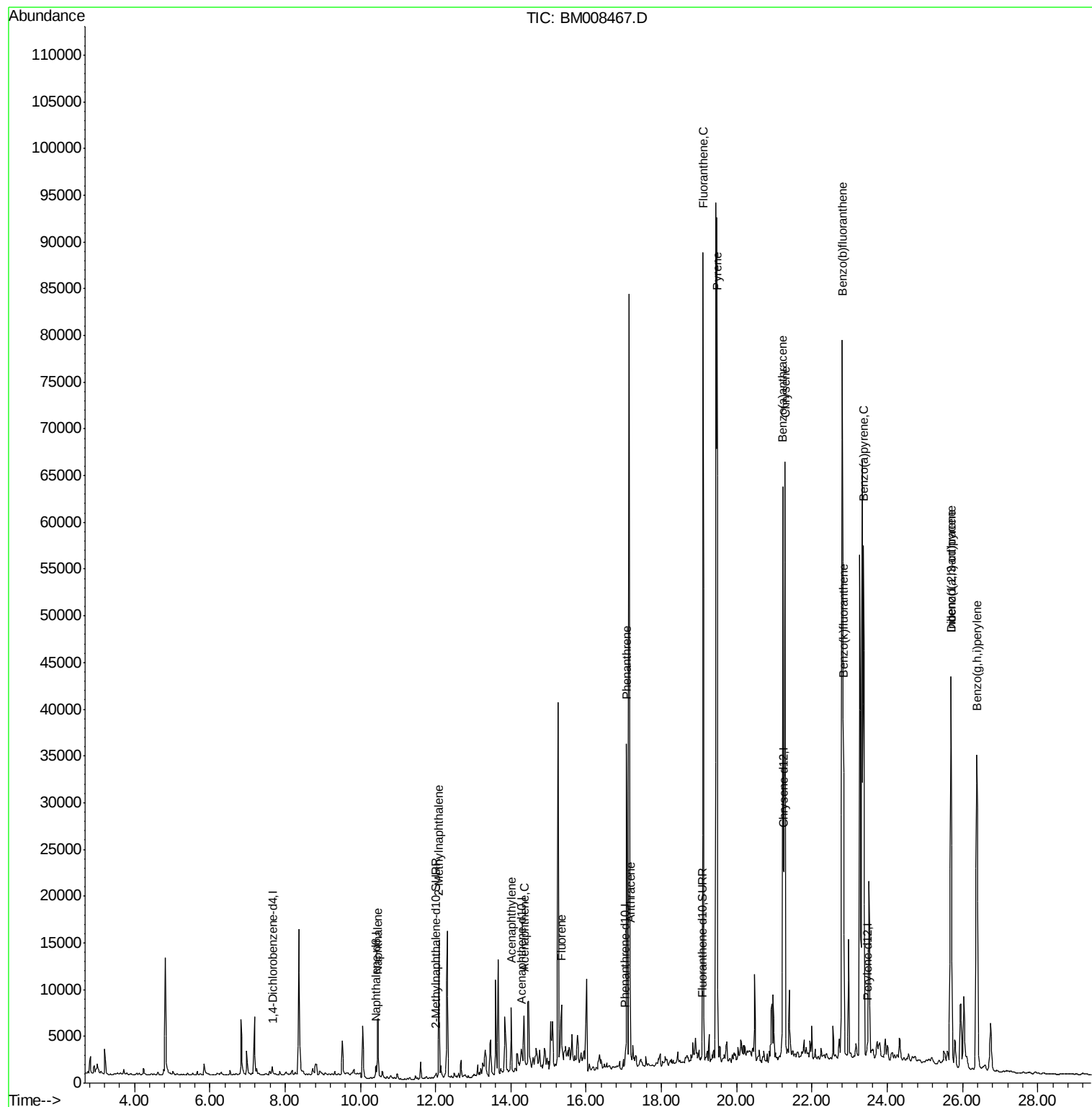
Data Path : Z:\HPCHEM1\BNA M\DATA\BM121916\
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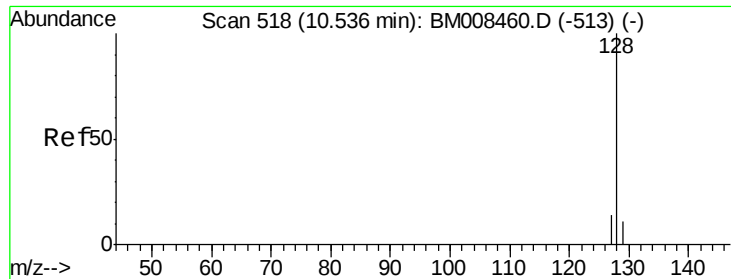
Instrument :
BNA_M
ClientSampleId :

Quant Time: Dec 20 13:47:35 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM121916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#3

Naphthalene

Concen: 1.81 ng/ul

RT: 10.48 min Scan# 513

Delta R.T. -0.06 min

Lab File: BM008467.D

Acq: 20 Dec 2016 06:35

Instrument :

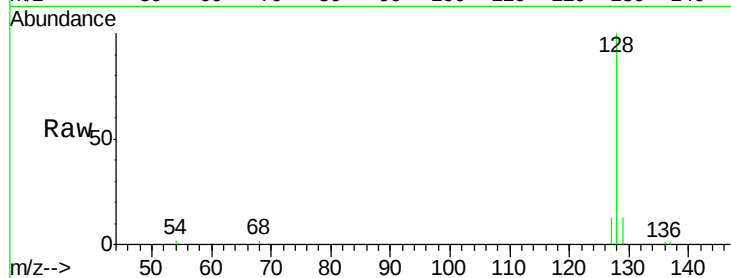
BNA_M

ClientSampleId :

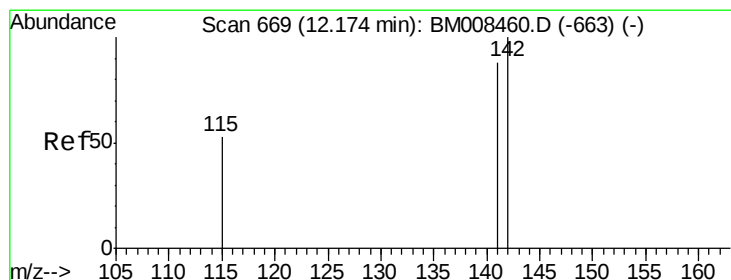
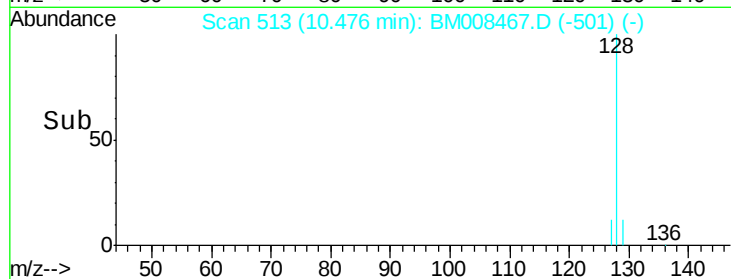
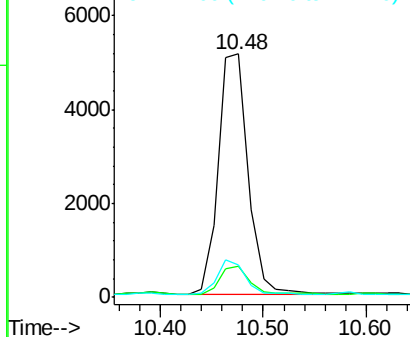
Tot Ion:	128	Resp:	10316
Ion	Ratio	Lower	Upper
128	100		
129	12.9	11.3	16.9
127	13.2	12.8	19.2

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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: 2.79 ng/ul

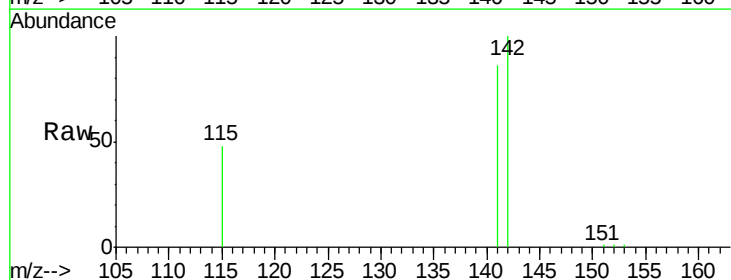
RT: 12.09 min Scan# 661

Delta R.T. -0.08 min

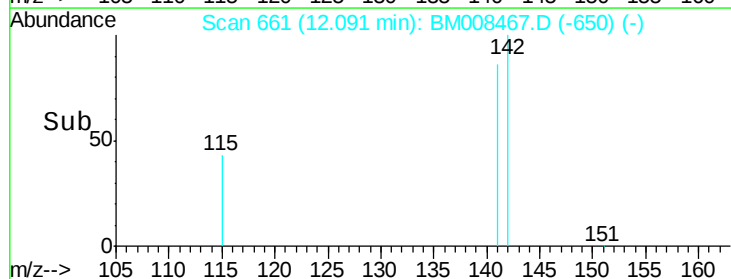
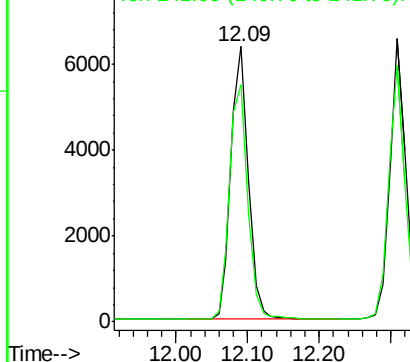
Lab File: BM008467.D

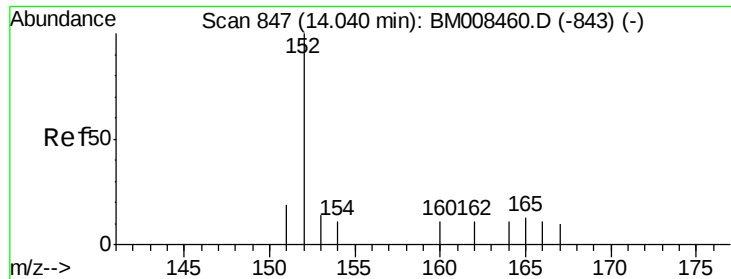
Acq: 20 Dec 2016 06:35

Tgt Ion:	142	Resp:	10667
Ion	Ratio	Lower	Upper
142	100		
141	90.0	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: 0.85 ng/ul

RT: 14.01 min Scan# 845

Delta R.T. -0.03 min

Lab File: BM008467.D

Acq: 20 Dec 2016 06:35

Instrument :

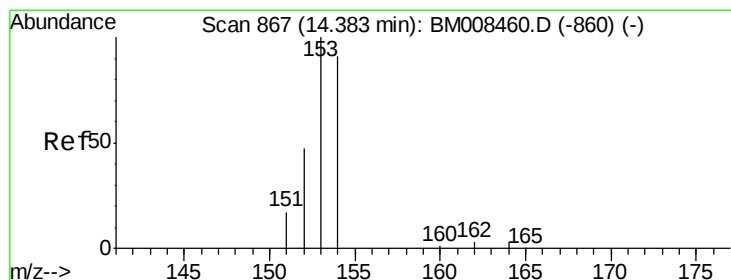
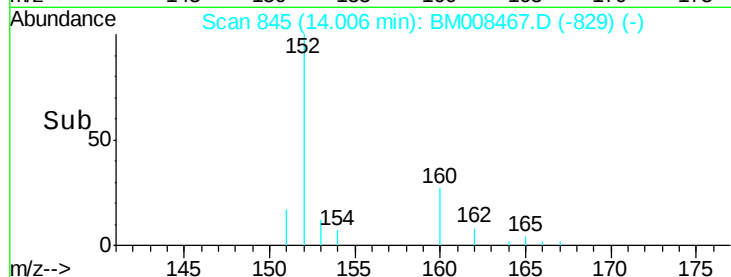
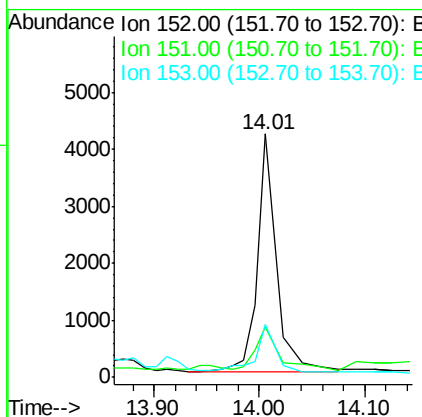
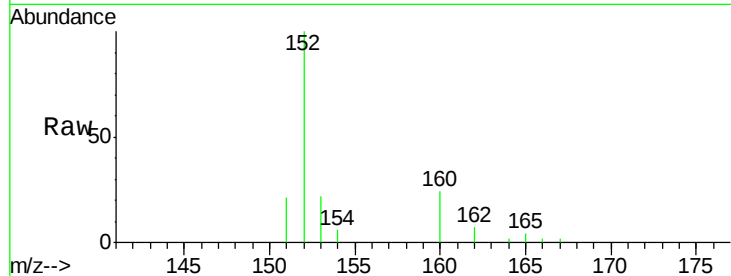
BNA_M

ClientSampleId :

Tot Ion:	152	Resp:	5048
Ion Ratio	Lower	Upper	
152	100		
151	20.8	17.1	25.7
153	21.5	12.8	19.2#

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#8

Acenaphthene

Concen: 0.66 ng/ul

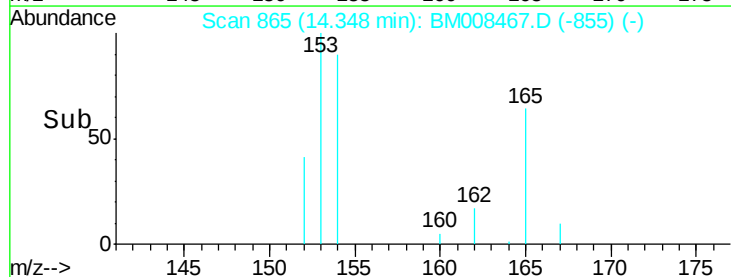
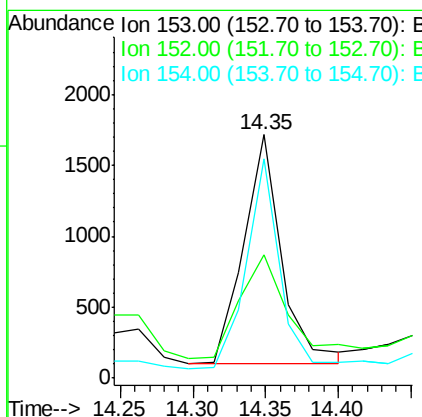
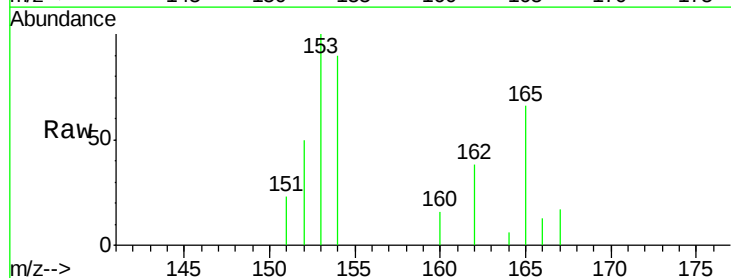
RT: 14.35 min Scan# 865

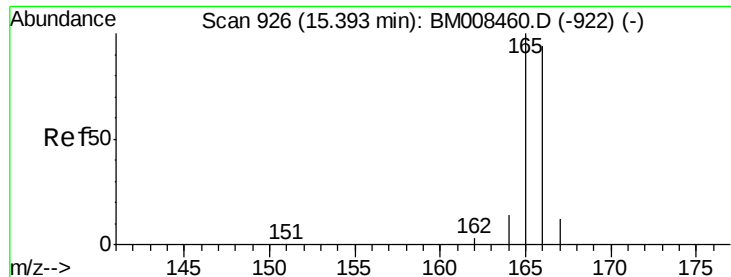
Delta R.T. -0.03 min

Lab File: BM008467.D

Acq: 20 Dec 2016 06:35

Tgt Ion:	153	Resp:	2971
Ion Ratio	Lower	Upper	
153	100		
152	50.5	40.3	60.5
154	90.3	71.4	107.2





#9

Fluorene

Concen: 0.99 ng/ul

RT: 15.34 min Scan# 923

Delta R.T. -0.05 min

Lab File: BM008467.D

Acq: 20 Dec 2016 06:35

Instrument :

BNA_M

ClientSampled :

Tot Ion:166 Resp: 5082

Ion Ratio Lower Upper

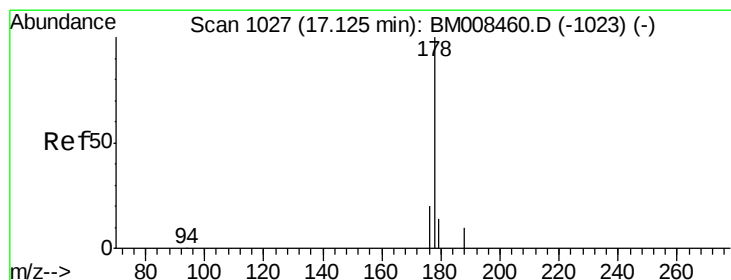
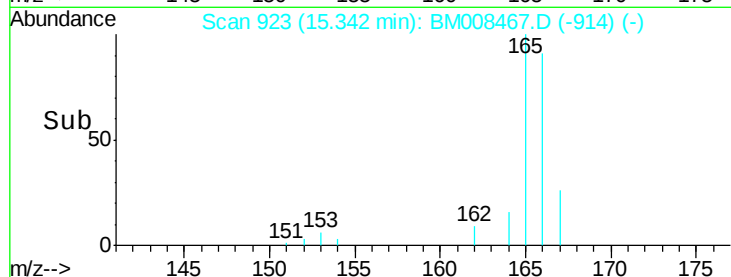
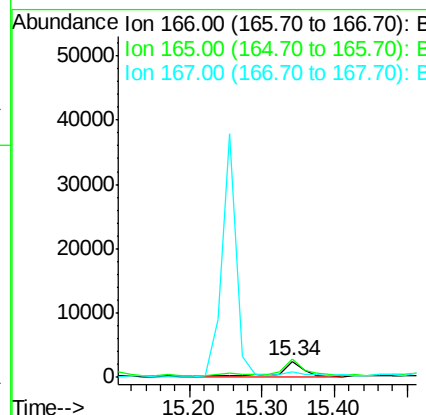
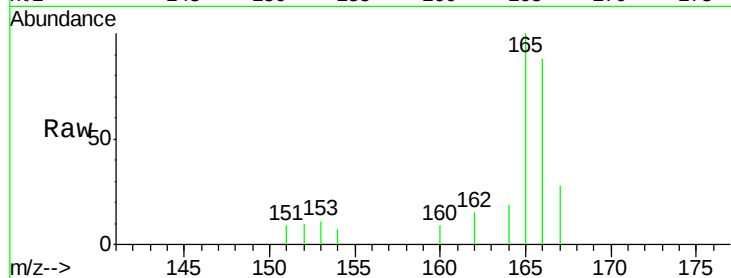
166 100

165 113.7 73.4 110.2#

167 31.5 14.6 22.0#

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#12

Phenanthrene

Concen: 7.55 ng/ul

RT: 17.07 min Scan# 1024

Delta R.T. -0.05 min

Lab File: BM008467.D

Acq: 20 Dec 2016 06:35

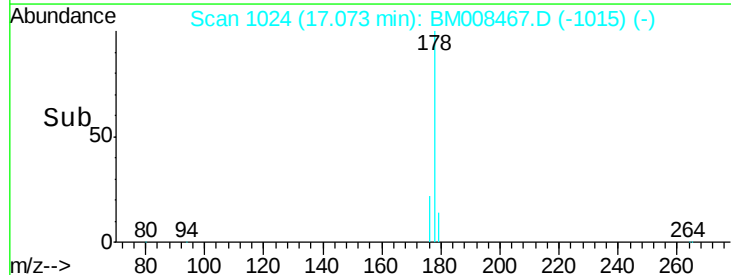
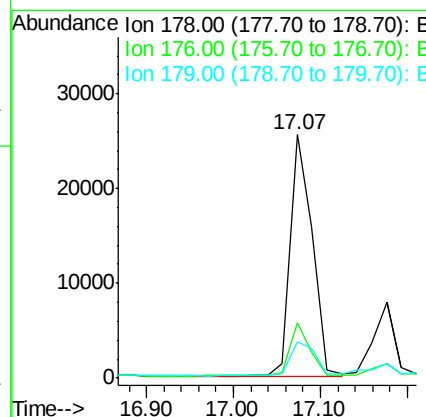
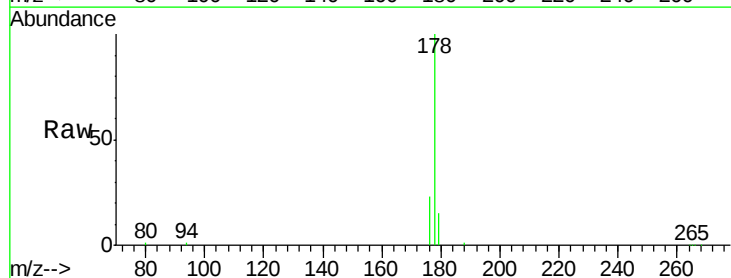
Tgt Ion:178 Resp: 44868

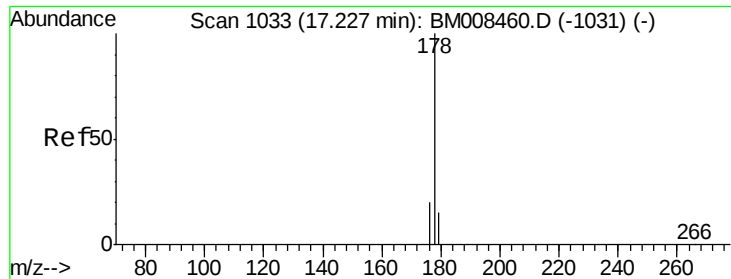
Ion Ratio Lower Upper

178 100

176 22.6 18.4 27.6

179 15.1 13.6 20.4





#13

Anthracene

Concen: 2.07 ng/ul

RT: 17.18 min Scan# 1030

Delta R.T. -0.05 min

Lab File: BM008467.D

Acq: 20 Dec 2016 06:35

Instrument :

BNA_M

ClientSampleId :

Tot Ion:178 Resp: 11946

Ion Ratio Lower Upper

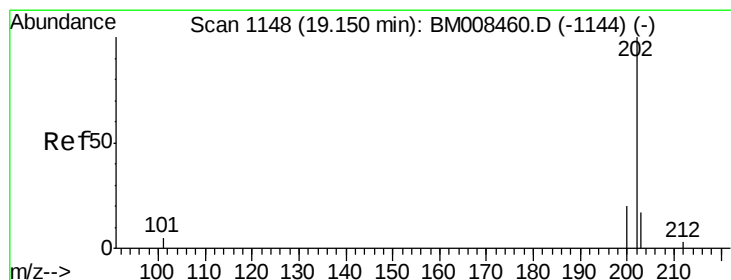
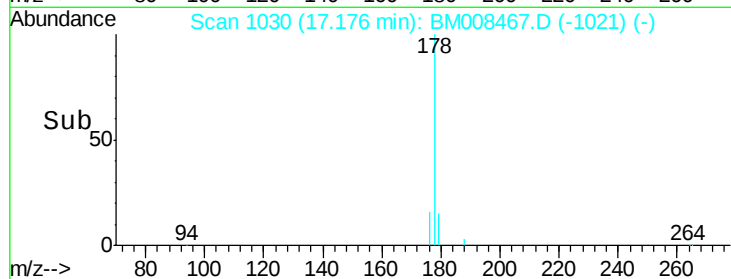
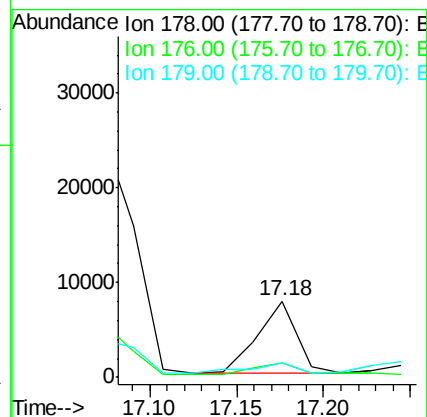
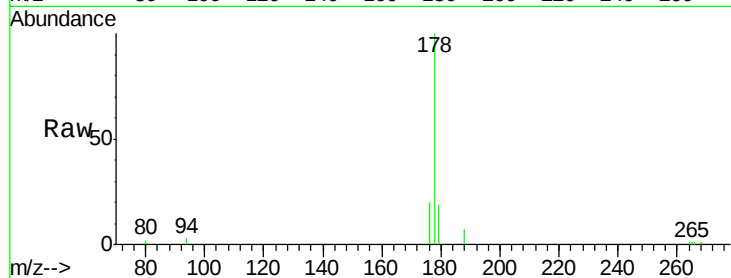
178 100

176 19.7 18.1 27.1

179 18.7 14.7 22.1

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#15

Fluoranthene

Concen: 11.42 ng/ul

RT: 19.11 min Scan# 1145

Delta R.T. -0.04 min

Lab File: BM008467.D

Acq: 20 Dec 2016 06:35

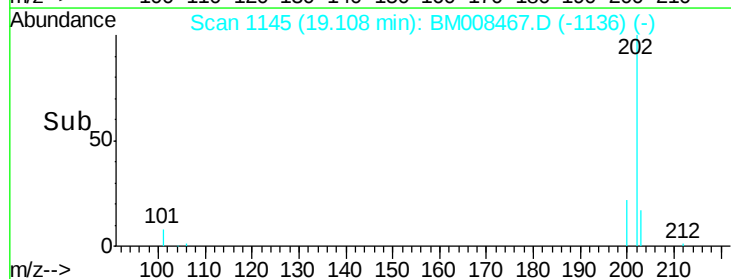
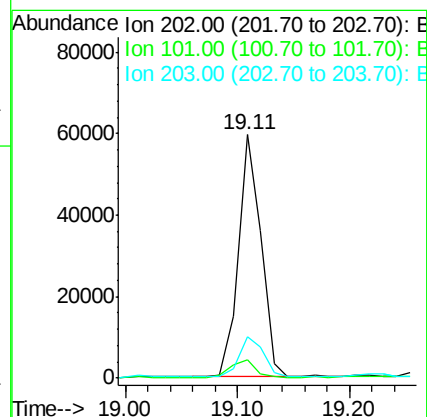
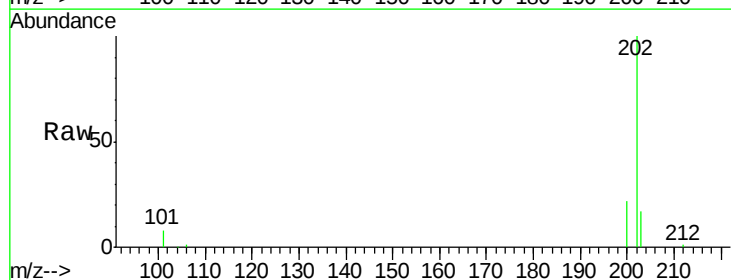
Tgt Ion:202 Resp: 83271

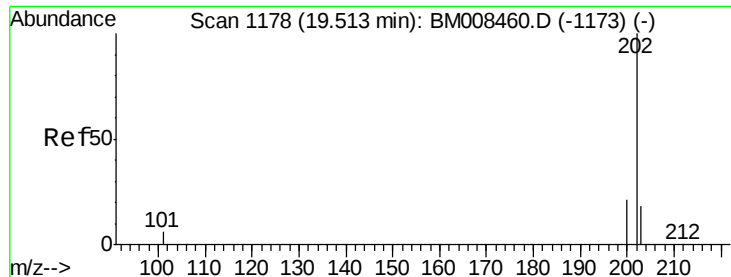
Ion Ratio Lower Upper

202 100

101 7.6 0.0 30.3

203 17.0 0.0 39.5





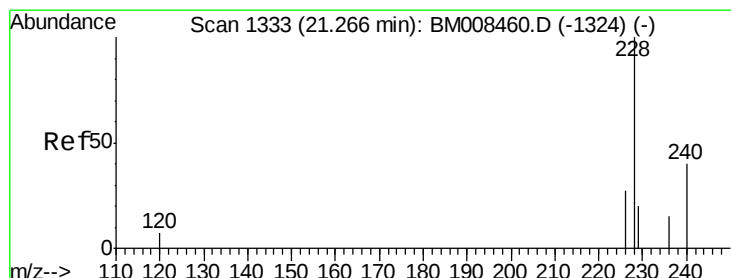
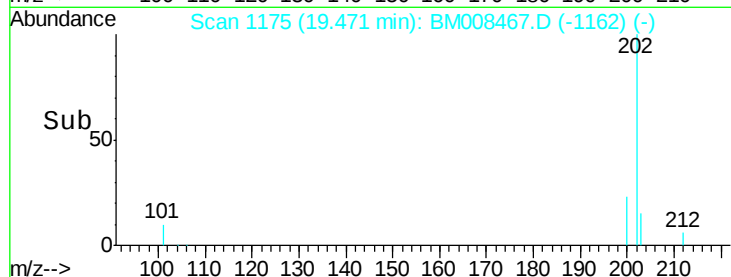
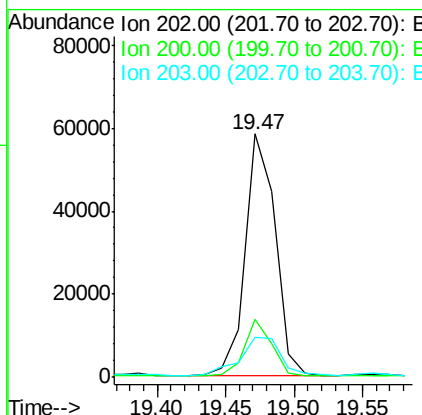
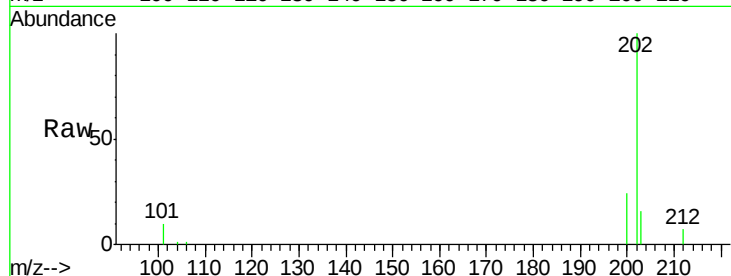
#17
Pvrene
Concen: 11.52 ng/ul
RT: 19.47 min Scan# 1175
Delta R.T. -0.04 min
Lab File: BM008467.D
Acq: 20 Dec 2016 06:35

Instrument :
BNA_M
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
200	23.7	18.2	27.4
203	16.5	15.6	23.4

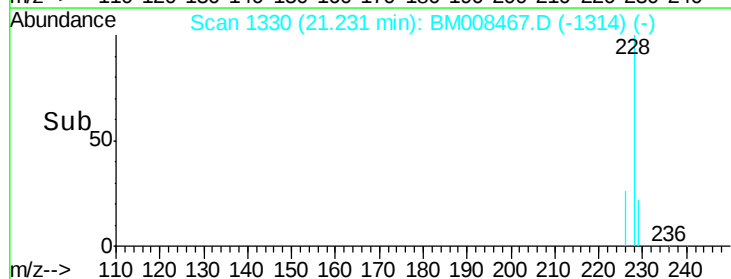
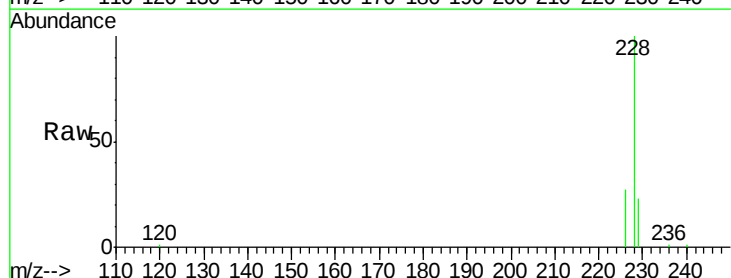
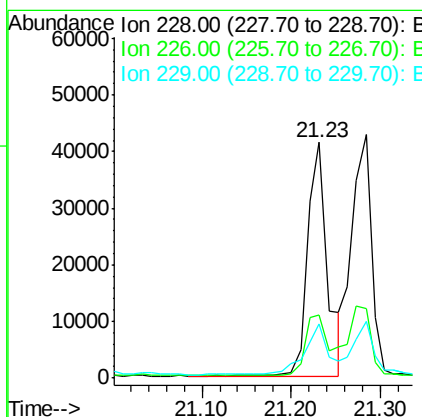
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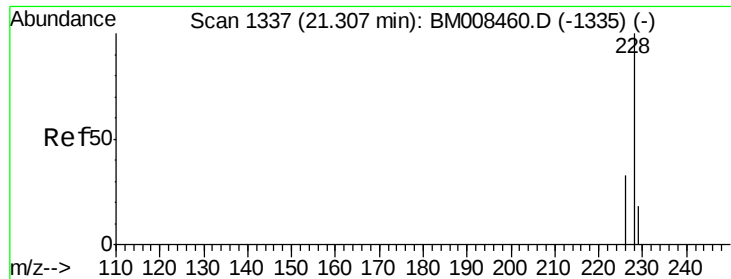
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#18
Benzo(a)anthracene
Concen: 9.71 ng/ul
RT: 21.23 min Scan# 1330
Delta R.T. -0.03 min
Lab File: BM008467.D
Acq: 20 Dec 2016 06:35

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.8	22.8	34.2
229	23.2	17.0	25.6





#19

Chrysene

Concen: 9.12 ng/ul

RT: 21.28 min Scan# 1335

Delta R.T. -0.02 min

Lab File: BM008467.D

Acq: 20 Dec 2016 06:35

Instrument :

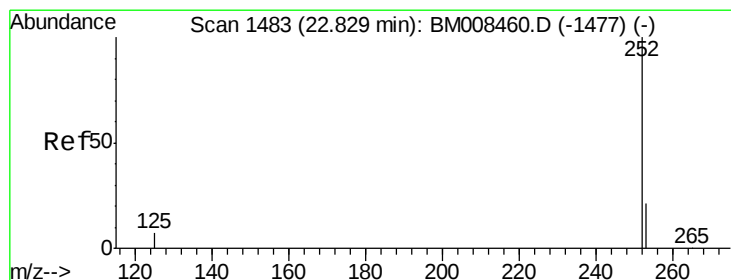
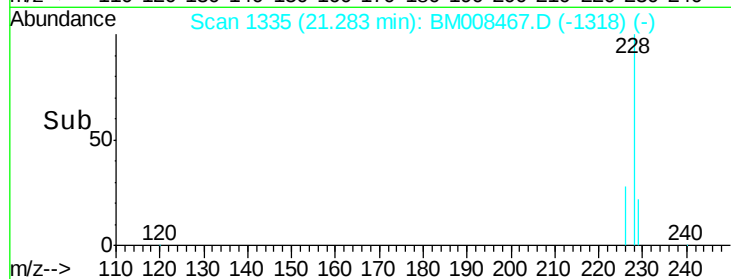
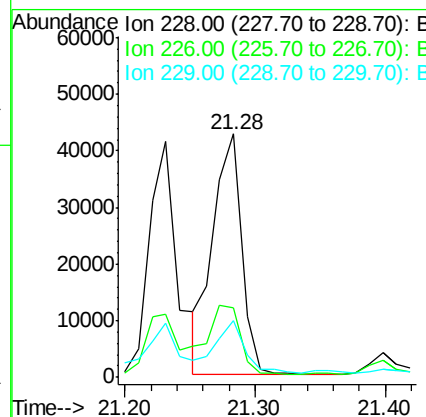
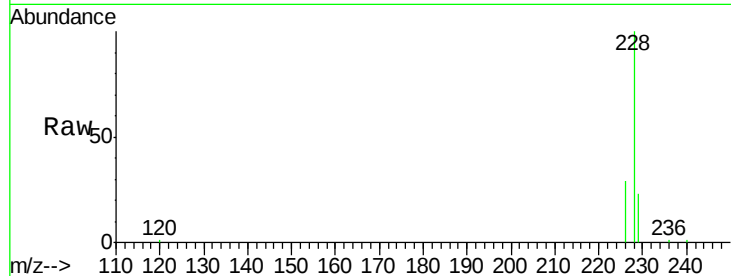
BNA_M

ClientSampled :

Tot Ion:	228	Resp:	65056
Ion Ratio	Lower	Upper	
228	100		
226	28.5	23.4	35.0
229	23.5	17.7	26.5

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#21

Benzo(b)fluoranthene

Concen: 18.63 ng/ul m

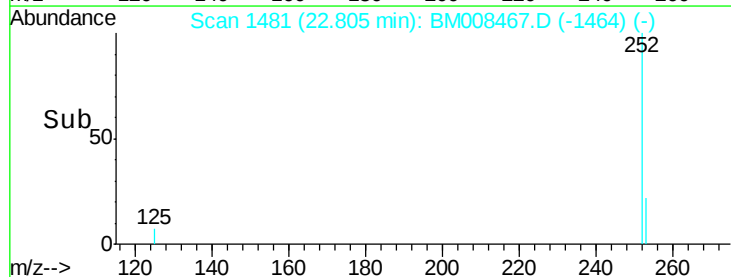
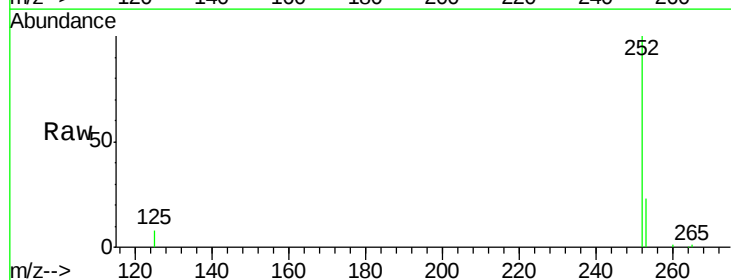
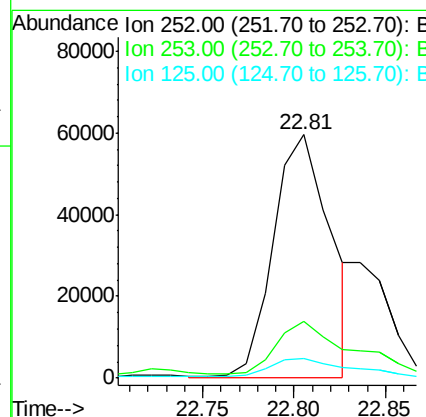
RT: 22.81 min Scan# 1481

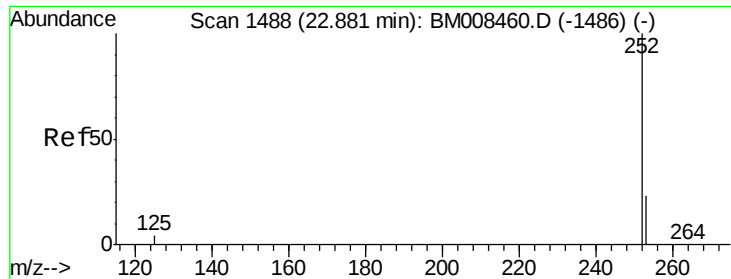
Delta R.T. -0.02 min

Lab File: BM008467.D

Acq: 20 Dec 2016 06:35

Tgt Ion:	252	Resp:	129174
Ion Ratio	Lower	Upper	
252	100		
253	23.2	0.0	64.2
125	8.1	0.0	35.0





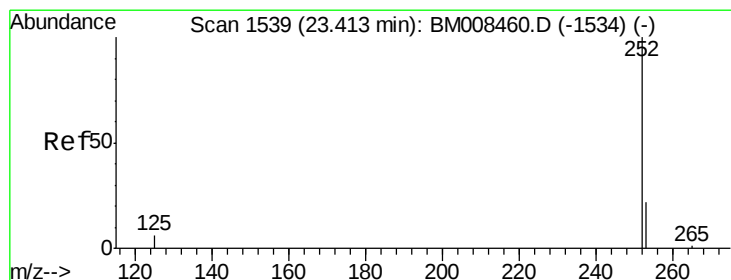
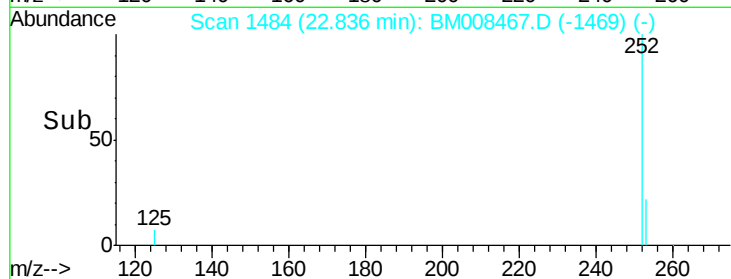
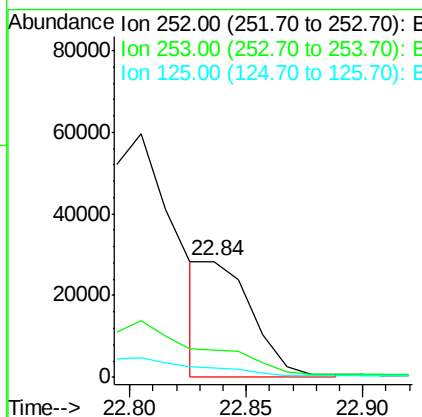
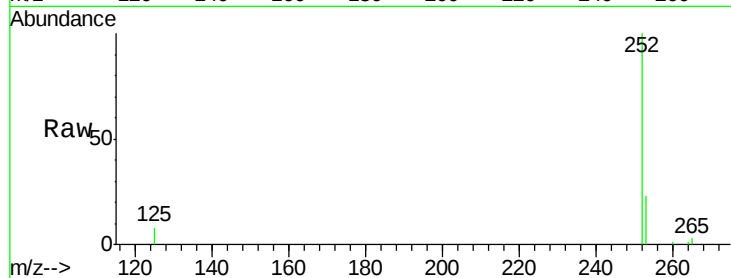
#22
Benzo(k)fluoranthene
Concen: 6.16 ng/ul m
RT: 22.84 min Scan# 1484
Delta R.T. -0.04 min
Lab File: BM008467.D
Acq: 20 Dec 2016 06:35

Instrument :
BNA_M
ClientSampled :

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	24.5	36.7#
125	8.4	13.7	20.5#

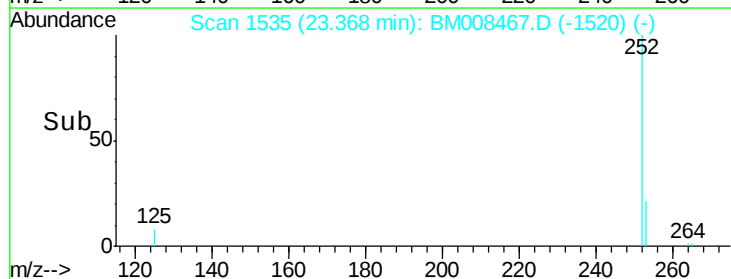
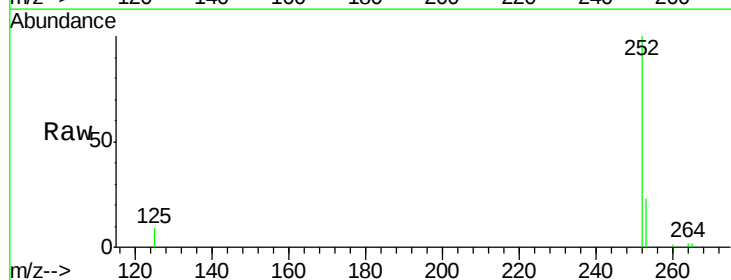
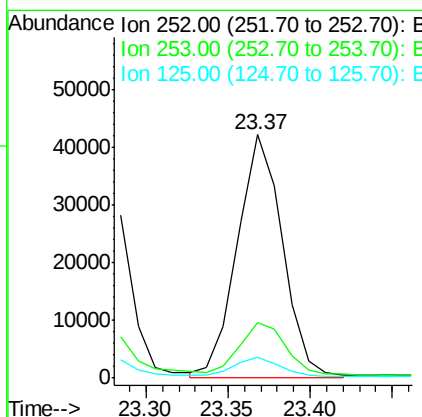
Manual Integrations
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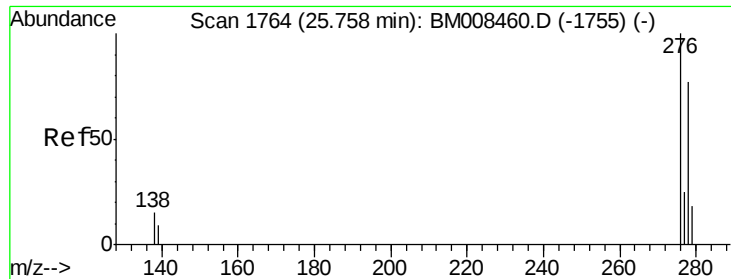
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#23
Benzo(a)pyrene
Concen: 12.71 ng/ul m
RT: 23.37 min Scan# 1535
Delta R.T. -0.04 min
Lab File: BM008467.D
Acq: 20 Dec 2016 06:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	28.5	42.7#
125	8.6	18.1	27.1#





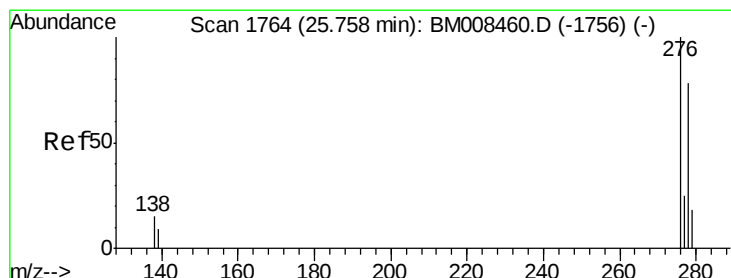
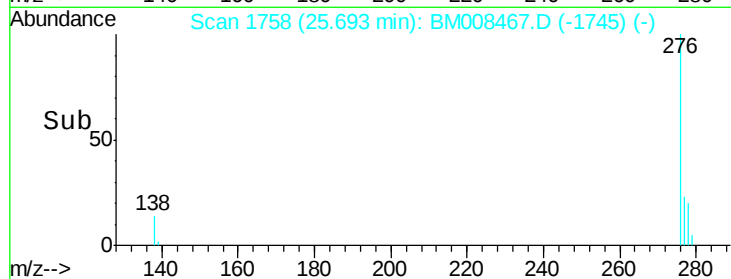
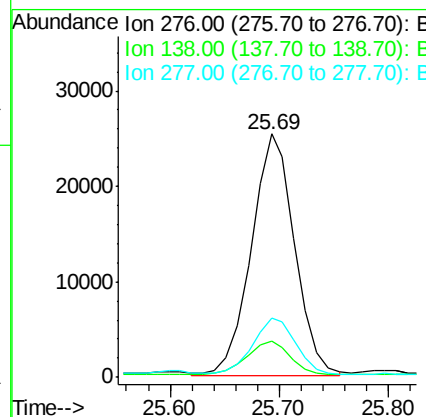
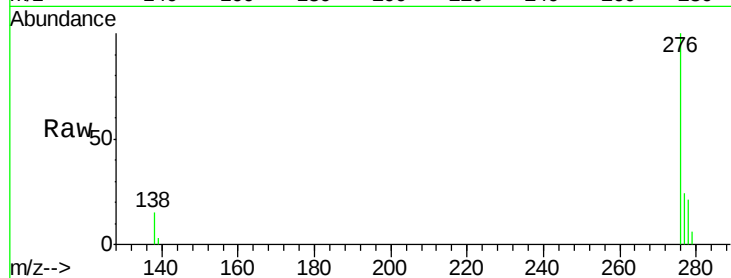
#24
 Indeno(1,2,3-cd)pyrene
 Concen: 9.25 ng/ul m
 RT: 25.69 min Scan# 1758
 Delta R.T. -0.07 min
 Lab File: BM008467.D
 Acq: 20 Dec 2016 06:35

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	0.0	19.1	28.7#
277	2.7	19.6	29.4#

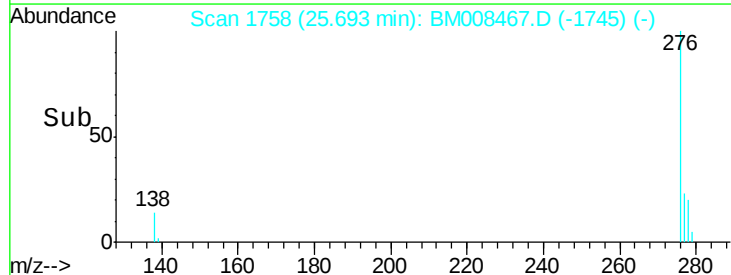
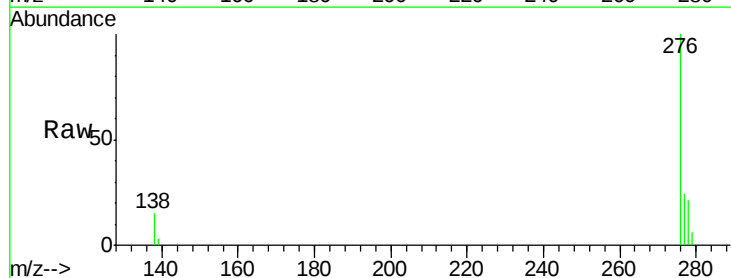
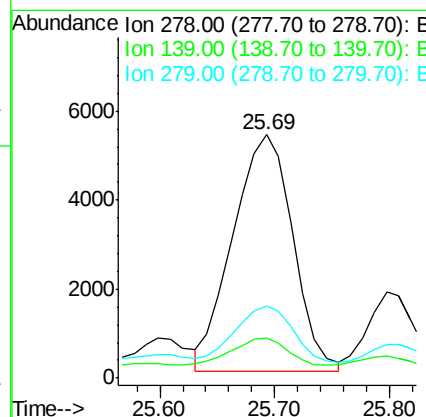
Manual Integrations
 APPROVED

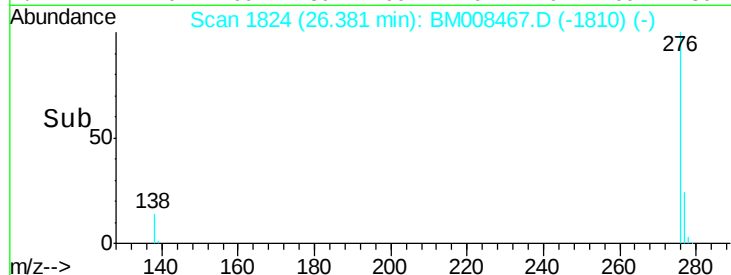
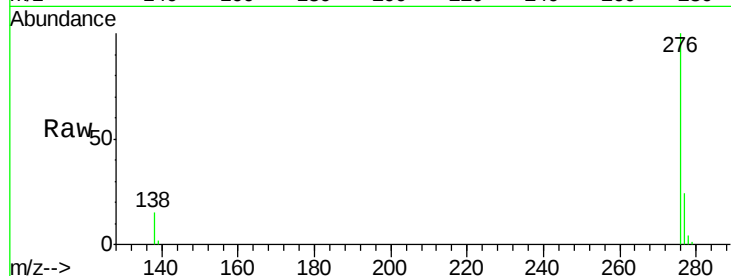
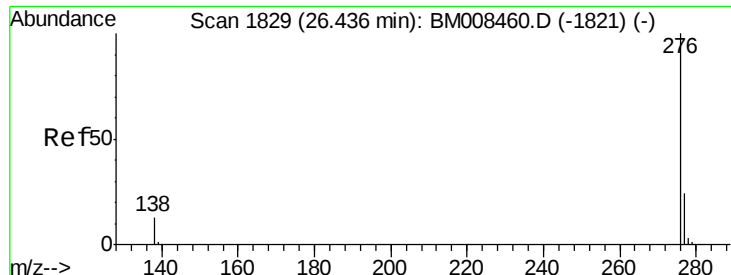
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#25
 Dibenzo(a,h)anthracene
 Concen: 3.15 ng/ul m
 RT: 25.69 min Scan# 1758
 Delta R.T. -0.07 min
 Lab File: BM008467.D
 Acq: 20 Dec 2016 06:35

Tgt Ion	Ratio	Lower	Upper
278	100		
139	16.3	17.4	26.0#
279	29.8	25.9	38.9





#26
Benzo(a,h,i)perylene
Concen: 11.12 ng/ul m
RT: 26.38 min Scan# 1824
Delta R.T. -0.06 min
Lab File: BM008467.D
Acq: 20 Dec 2016 06:35

Instrument :
BNA_M
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.5	21.8	32.8
138	15.0	20.5	30.7

Manual Integrations
APPROVED

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