

Data Path : Z:\HPCHEM1\BNA M\DATA\BM092815\
 Data File : BM002734.D
 Acq On : 28 Sep 2015 15:26
 Operator : UM/IZ
 Sample : G3798-13
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9G67

Manual Integrations
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MMDadoda
 9/29/2015 3:42:32 PM

Quant Time: Sep 29 05:15:10 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM092415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 29 02:52:19 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.74	152	10140	0.40	ng/ul	0.00
4) Naphthalene-d8	11.60	136	39066	0.40	ng/ul	0.00
8) Acenaphthene-d10	15.33	164	21676	0.40	ng/ul	0.00
12) Phenanthrene-d10	18.03	188	42536m	0.40	ng/ul	0.00
18) Chrysene-d12	22.13	240	43480m	0.40	ng/ul	0.00
22) Perylene-d12	24.74	264	67998m	0.40	ng/ul	0.01
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.80	96	6759	0.65	ng/uL	0.00
6) 2-Methylnaphthalene-d10	13.13	152	6405m	0.11	ng/ul	0.00
16) Fluoranthene-d10	20.01	212	12927m	0.12	ng/ul	0.00
Target Compounds				Ovalue		
5) Naphthalene	11.65	128	291680	2.76	ng/ul	97
7) 2-Methylnaphthalene	13.20	142	136945	2.01	ng/ul	99
9) Acenaphthylene	15.06	152	1618928	14.48	ng/ul	95
10) Acenaphthene	15.38	153	130292	1.60	ng/ul	92
11) Fluorene	16.36	166	159651m	1.72	ng/ul	
13) Pentachlorophenol	17.69	266	1399	0.17	ng/ul	85
14) Phenanthrene	18.08	178	1836829m	13.27	ng/ul	
15) Anthracene	18.17	178	2447747	19.13	ng/ul	96
17) Fluoranthene	20.04	202	6967480m	46.28	ng/ul	
19) Pyrene	20.40	202	7183811	42.39	ng/ul	94
20) Benzo(a)anthracene	22.11	228	5306400m	36.52	ng/ul	
21) Chrysene	22.17	228	5478289m	39.39	ng/ul	
23) Benzo(b)fluoranthene	23.94	252	9433741m	38.48	ng/ul	
24) Benzo(k)fluoranthene	23.98	252	2848507m	12.54	ng/ul	
25) Benzo(a)pyrene	24.63	252	5268763	23.34	ng/ul	95
26) Indeno(1,2,3-cd)pyrene	27.50	276	4193674m	16.66	ng/ul	
27) Dibenzo(a,h)anthracene	27.50	278	1397389m	6.77	ng/ul	
28) Benzo(a,h,i)perylene	28.36	276	4063223m	19.03	ng/ul	

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

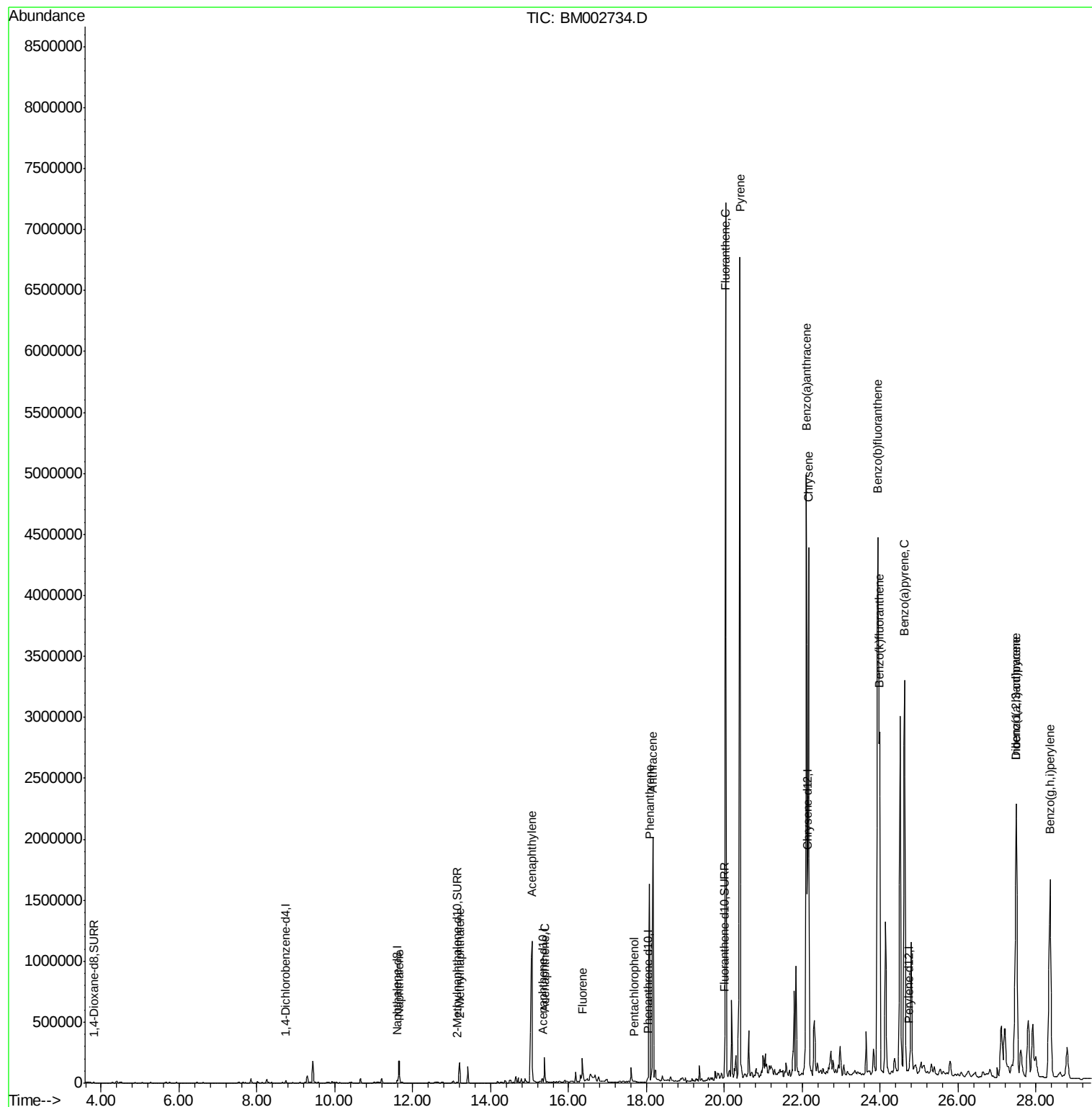
Data Path : Z:\HPCHEM1\BNA M\DATA\BM092815\
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ALS Vial : 7 Sample Multiplier: 1

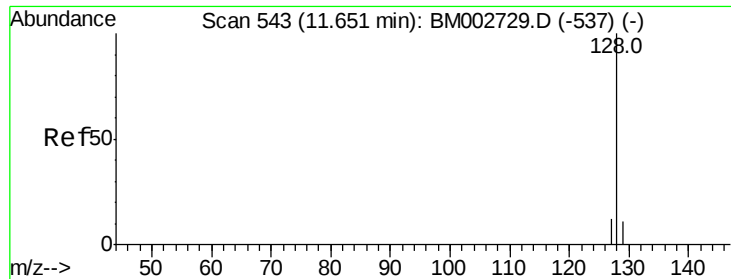
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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM092415.M
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QLast Update : Tue Sep 29 02:52:19 2015
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#5

Naphthalene

Concen: 2.76 ng/ul

RT: 11.65 min Scan# 543

Delta R.T. -0.00 min

Lab File: BM002734.D

Acq: 28 Sep 2015 15:26

Instrument :

BNA_M

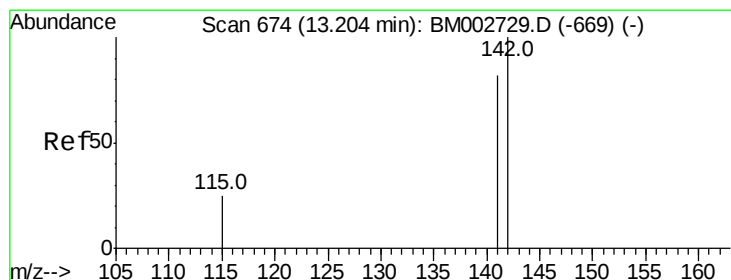
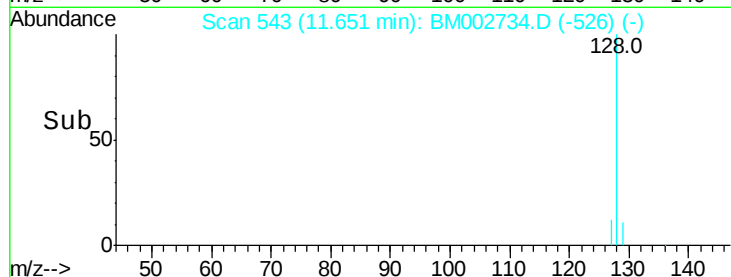
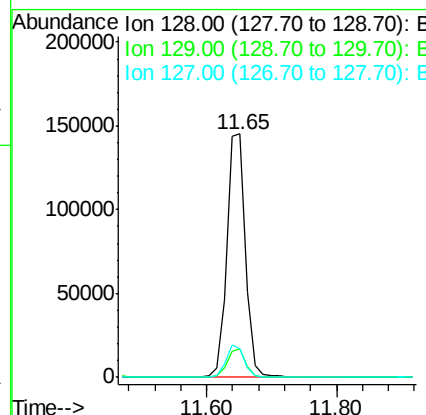
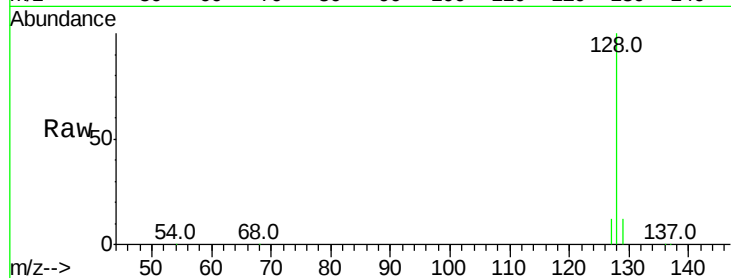
ClientSampleId :

D9G67

Tot Ion:	128	Resp:	291680
Ion Ratio	Lower	Upper	
128	100		
129	11.6	9.8	14.8
127	11.8	10.7	16.1

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#7

2-Methylnaphthalene

Concen: 2.01 ng/ul

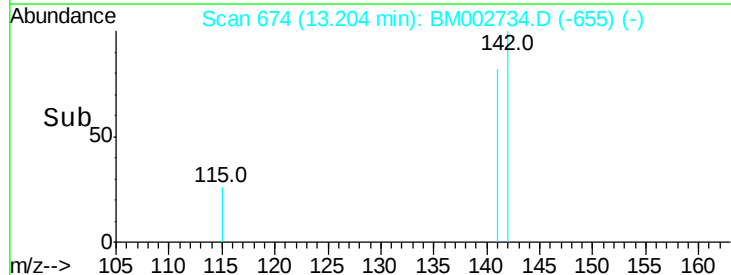
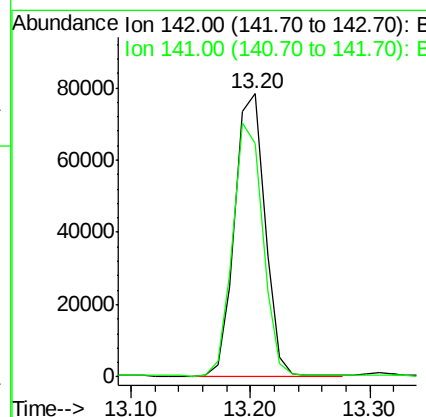
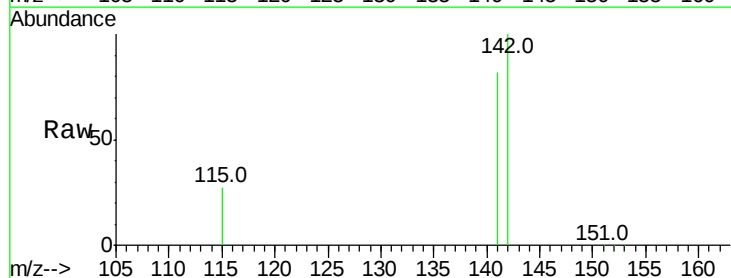
RT: 13.20 min Scan# 674

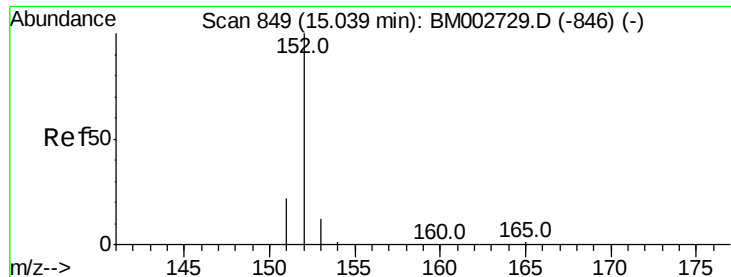
Delta R.T. -0.00 min

Lab File: BM002734.D

Acq: 28 Sep 2015 15:26

Tgt Ion:	142	Resp:	136945
Ion Ratio	Lower	Upper	
142	100		
141	88.8	70.3	105.5





#9

Acenaphthylene

Concen: 14.48 ng/ul

RT: 15.06 min Scan# 850

Delta R.T. -0.00 min

Lab File: BM002734.D

Acq: 28 Sep 2015 15:26

Instrument :

BNA_M

ClientSampleId :

D9G67

Tot Ion:152 Resp: 1618928

Ion Ratio Lower Upper

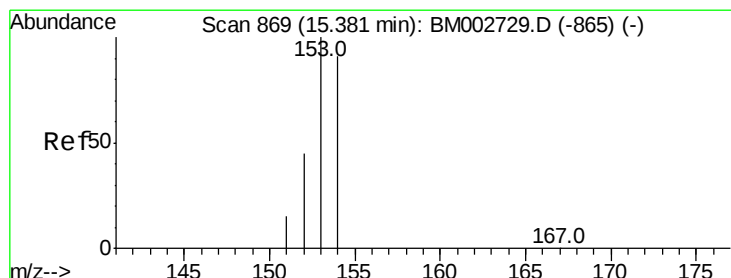
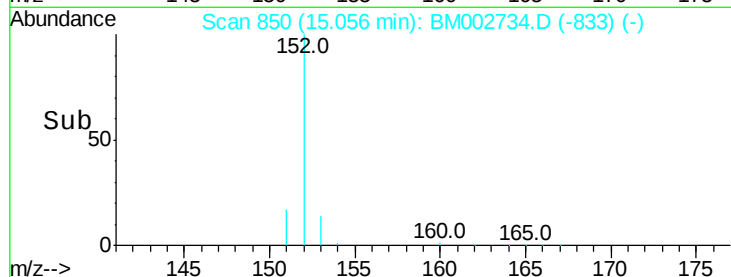
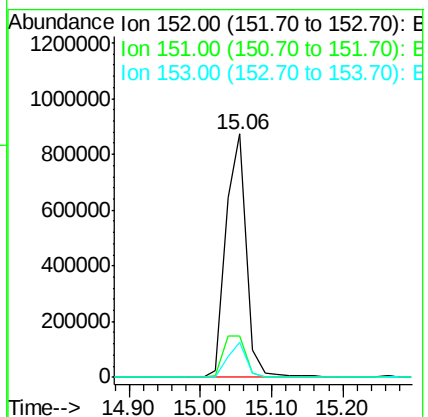
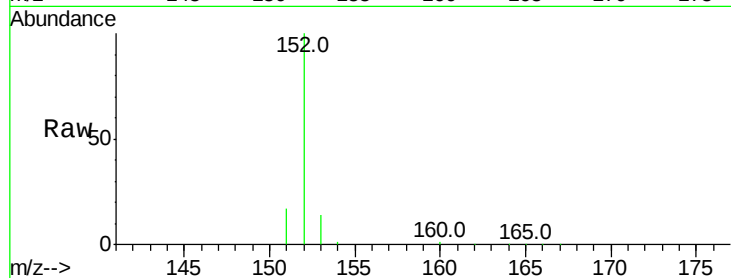
152 100

151 17.2 16.8 25.2

153 14.2 11.3 16.9

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#10

Acenaphthene

Concen: 1.60 ng/ul

RT: 15.38 min Scan# 869

Delta R.T. -0.00 min

Lab File: BM002734.D

Acq: 28 Sep 2015 15:26

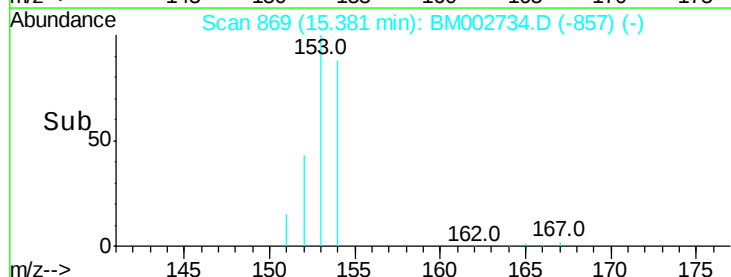
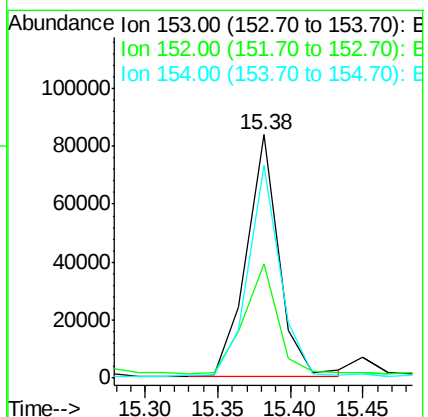
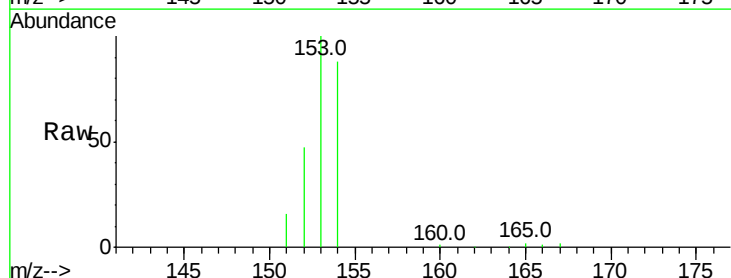
Tgt Ion:153 Resp: 130292

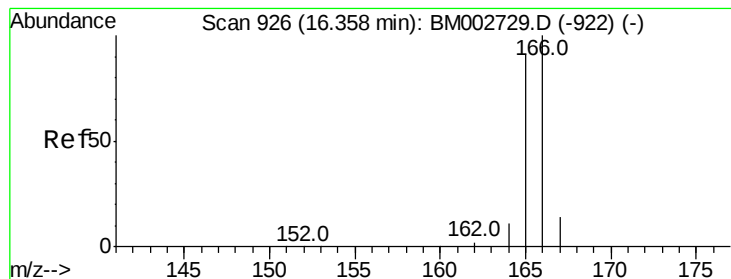
Ion Ratio Lower Upper

153 100

152 47.1 42.3 63.5

154 87.6 64.7 97.1





#11

Fluorene

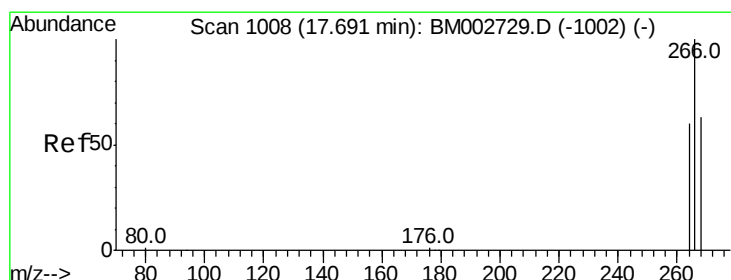
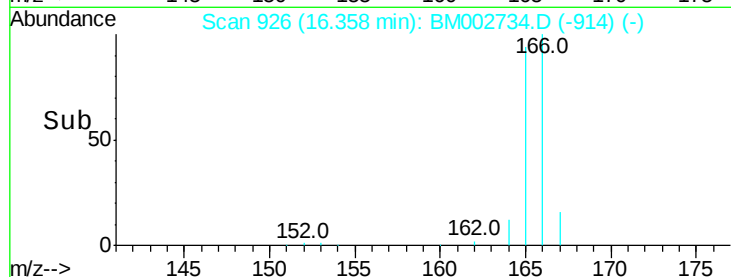
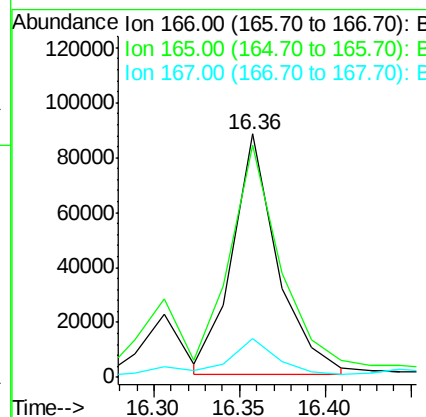
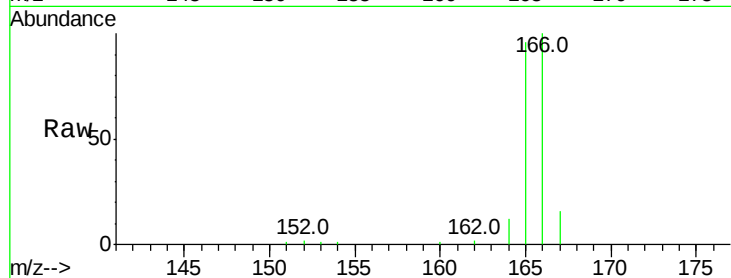
Concen: 1.72 ng/ul m
 RT: 16.36 min Scan# 926
 Delta R.T. -0.00 min
 Lab File: BM002734.D
 Acq: 28 Sep 2015 15:26

Instrument :
 BNA_M
 ClientSampleId :
 D9G67

Tot Ion	Ratio	Resp	Lower	Upper
166	100	159651		
165	95.5	87.6	131.4	
167	16.2	11.1	16.7	

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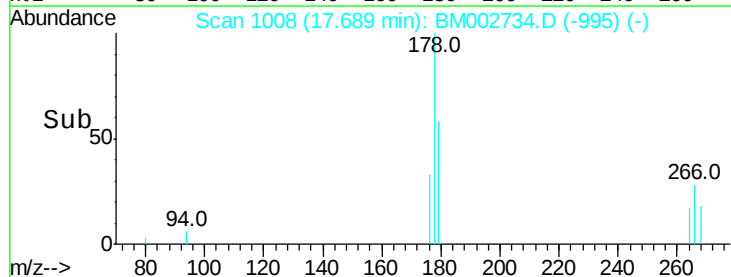
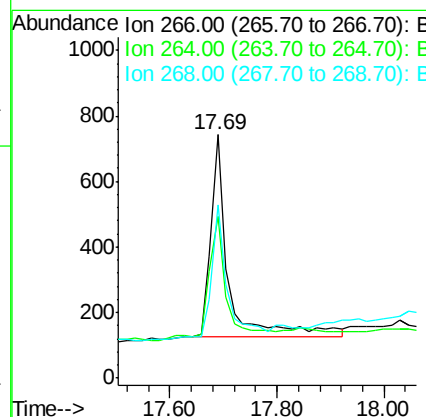
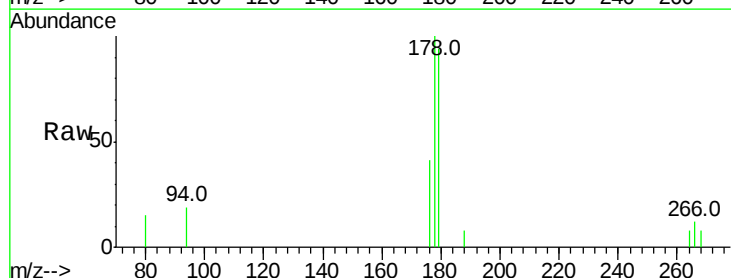


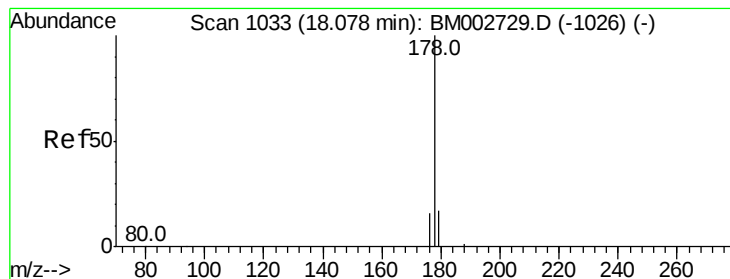
#13

Pentachlorophenol

Concen: 0.17 ng/ul
 RT: 17.69 min Scan# 1008
 Delta R.T. -0.00 min
 Lab File: BM002734.D
 Acq: 28 Sep 2015 15:26

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	1399		
264	54.3	53.5	80.3	
268	56.6	54.2	81.2	





#14

Phenanthrene

Concen: 13.27 ng/ul m

RT: 18.08 min Scan# 1033

Delta R.T. -0.00 min

Lab File: BM002734.D

Acq: 28 Sep 2015 15:26

Instrument :

BNA_M

ClientSampleId :

D9G67

Tot Ion:178 Resp: 1836829

Ion Ratio Lower Upper

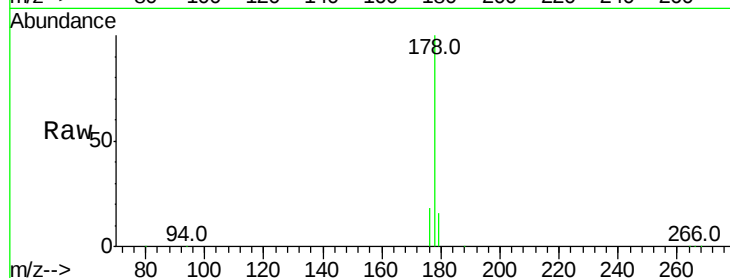
178 100

176 18.0 16.2 24.4

179 15.9 12.8 19.2

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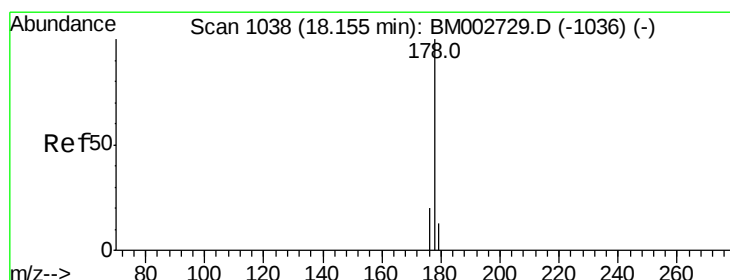
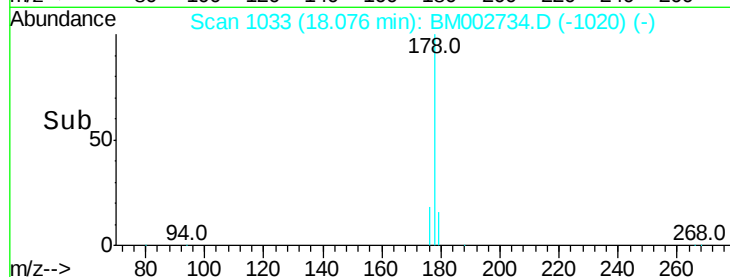
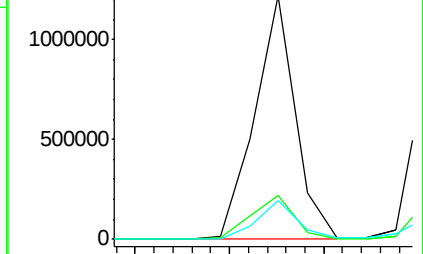
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#15

Anthracene

Concen: 19.13 ng/ul

RT: 18.17 min Scan# 1039

Delta R.T. -0.00 min

Lab File: BM002734.D

Acq: 28 Sep 2015 15:26

Tgt Ion:178 Resp: 2447747

Ion Ratio Lower Upper

178 100

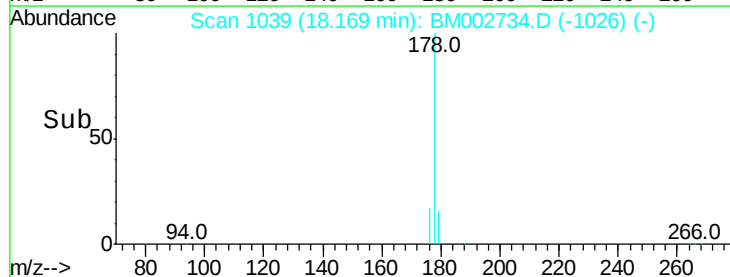
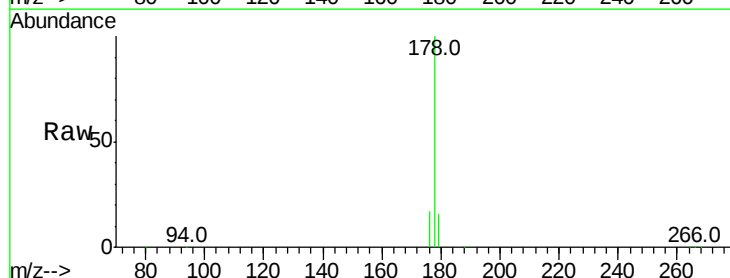
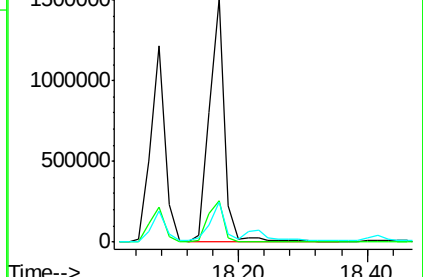
176 17.0 15.8 23.8

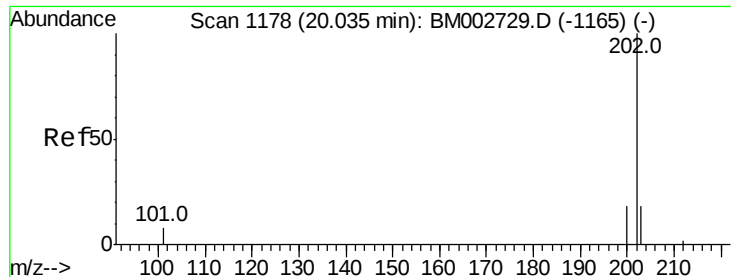
179 16.4 13.3 19.9

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





#17
Fluoranthene
 Concen: 46.28 ng/ul m
 RT: 20.04 min Scan# 1178
 Delta R.T. -0.00 min
 Lab File: BM002734.D
 Acq: 28 Sep 2015 15:26

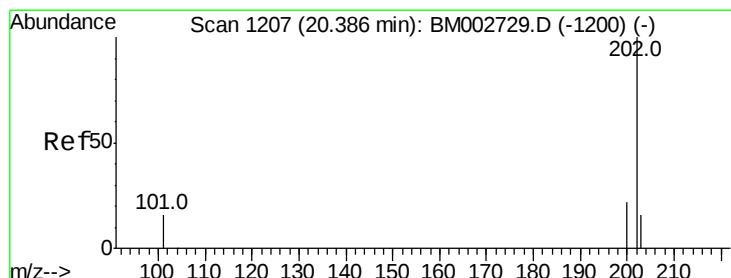
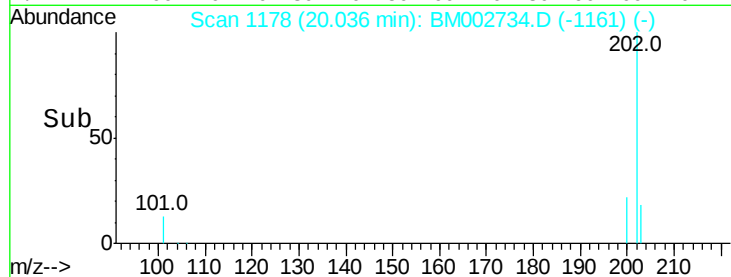
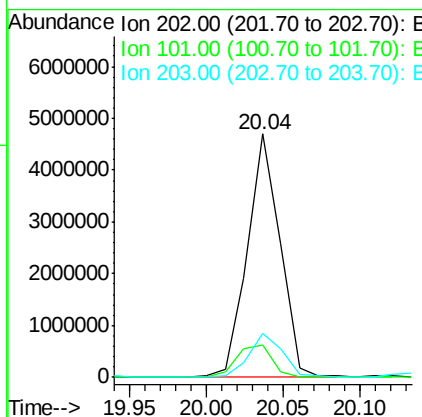
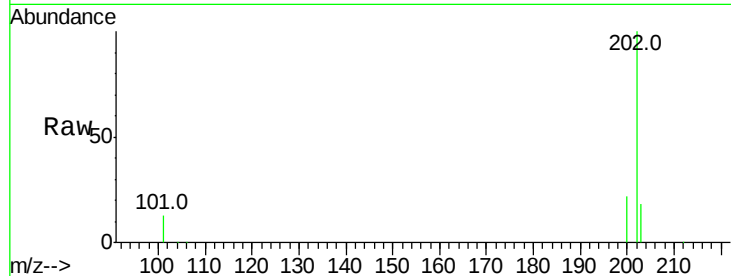
Instrument :
 BNA_M
 ClientSampleId :
 D9G67

Tot Ion:202 Resp: 6967480

Ion	Ratio	Lower	Upper
202	100		
101	13.1	0.0	33.1
203	18.0	0.0	37.2

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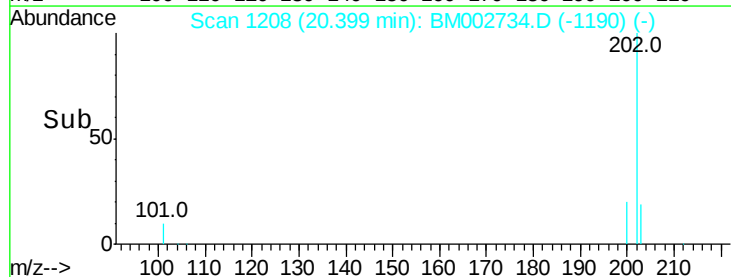
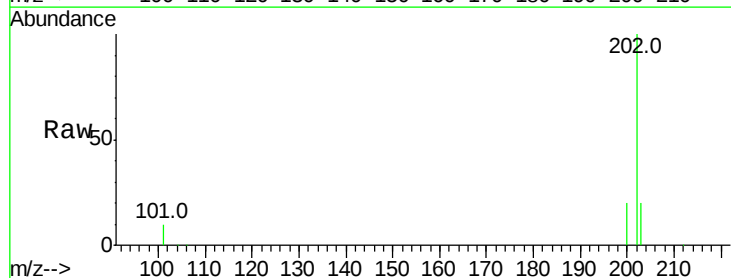
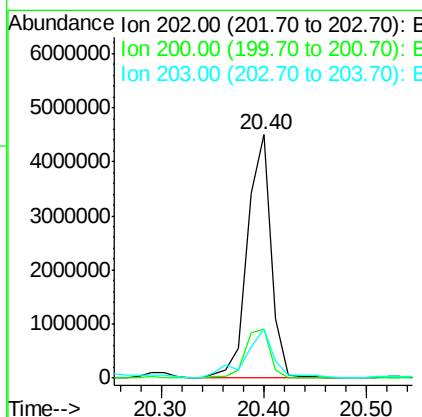
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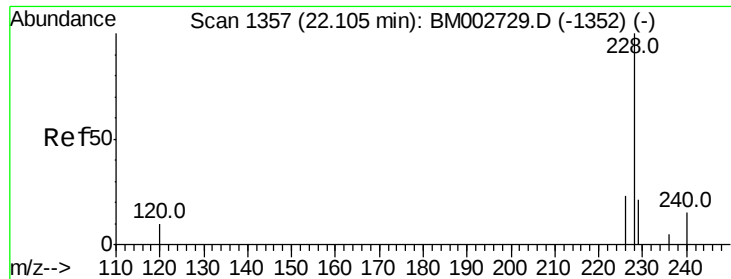


#19
Pyrene
 Concen: 42.39 ng/ul
 RT: 20.40 min Scan# 1208
 Delta R.T. 0.01 min
 Lab File: BM002734.D
 Acq: 28 Sep 2015 15:26

Tgt Ion:202 Resp: 7183811

Ion	Ratio	Lower	Upper
202	100		
200	20.2	18.0	27.0
203	20.2	13.8	20.6





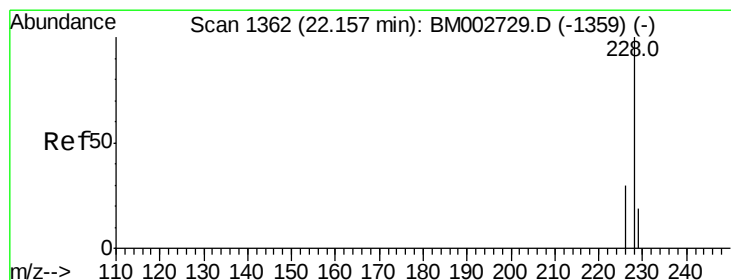
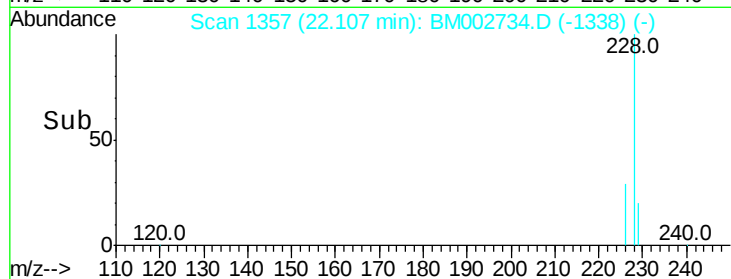
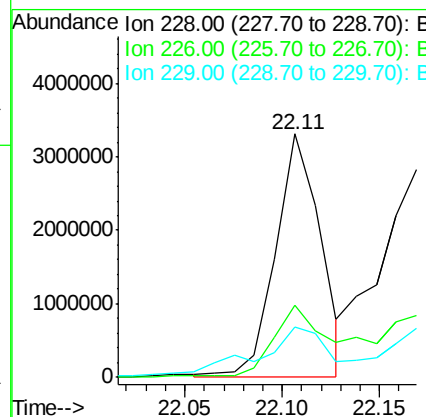
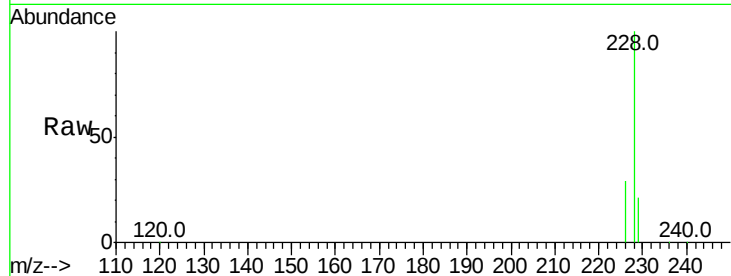
#20
Benzo(a)anthracene
Concen: 36.52 ng/ul m
RT: 22.11 min Scan# 1357
Delta R.T. -0.00 min
Lab File: BM002734.D
Acq: 28 Sep 2015 15:26

Instrument :
BNA_M
ClientSampleId :
D9G67

Tot Ion:228 Resp: 5306400
Ion Ratio Lower Upper
228 100
226 29.4 23.0 34.4
229 20.5 15.2 22.8

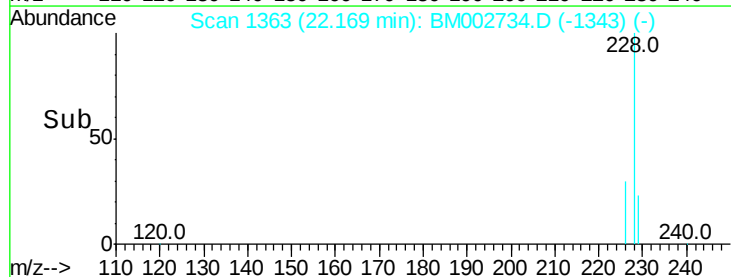
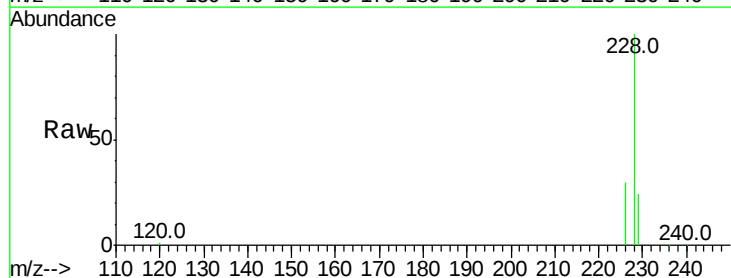
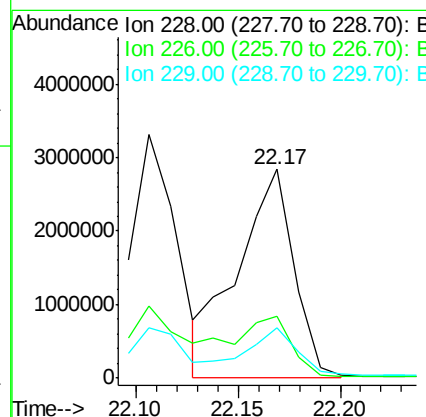
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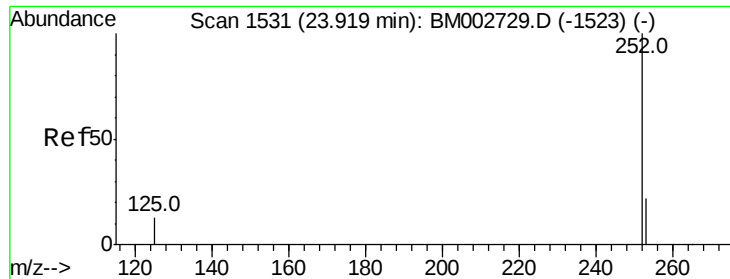
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#21
Chrysene
Concen: 39.39 ng/ul m
RT: 22.17 min Scan# 1363
Delta R.T. 0.01 min
Lab File: BM002734.D
Acq: 28 Sep 2015 15:26

Tgt Ion:228 Resp: 5478289
Ion Ratio Lower Upper
228 100
226 30.0 25.7 38.5
229 23.9 15.2 22.8#





#23

Benzo(b)fluoranthene

Concen: 38.48 ng/ul m

RT: 23.94 min Scan# 1533

Delta R.T. 0.02 min

Lab File: BM002734.D

Acq: 28 Sep 2015 15:26

Instrument :

BNA_M

ClientSampleId :

D9G67

Tot Ion:252 Resp: 9433741

Ion Ratio Lower Upper

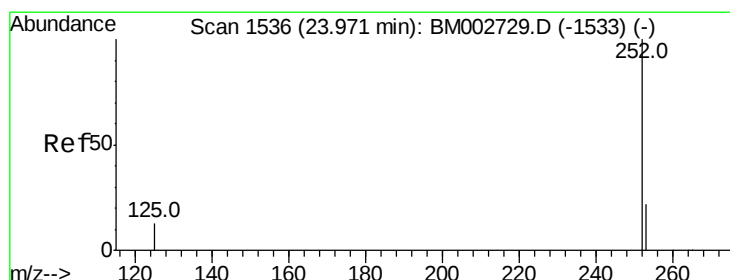
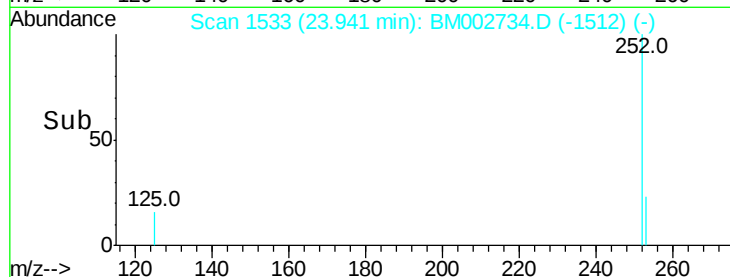
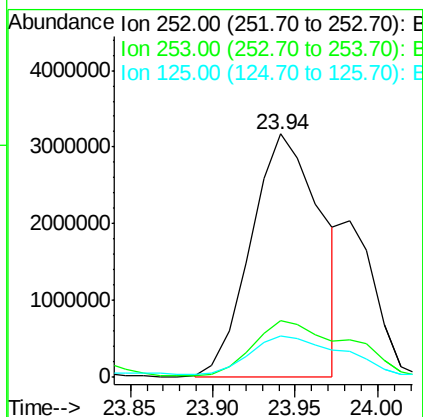
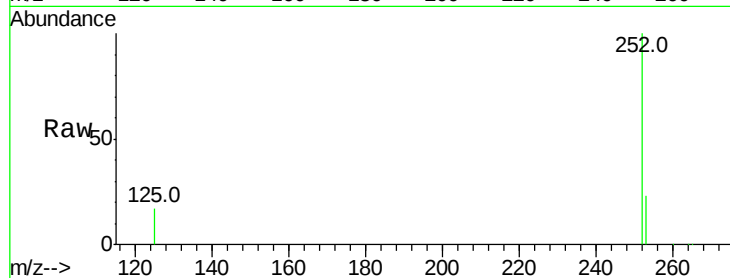
252 100

253 23.3 0.0 48.0

125 17.1 0.0 36.6

Manual Integrations
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9/29/2015 3:42:32 PM



#24

Benzo(k)fluoranthene

Concen: 12.54 ng/ul m

RT: 23.98 min Scan# 1537

Delta R.T. 0.01 min

Lab File: BM002734.D

Acq: 28 Sep 2015 15:26

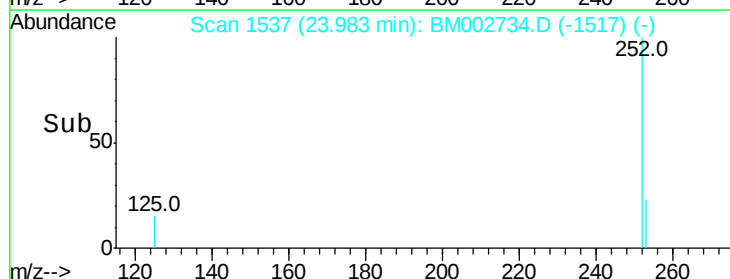
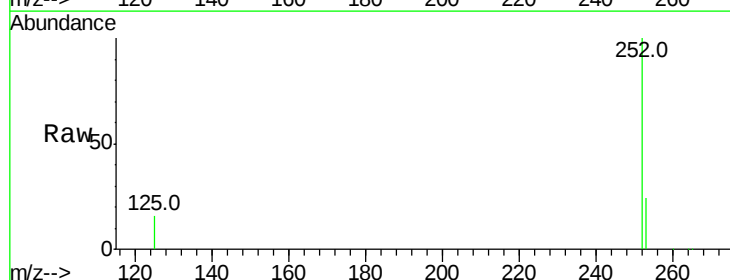
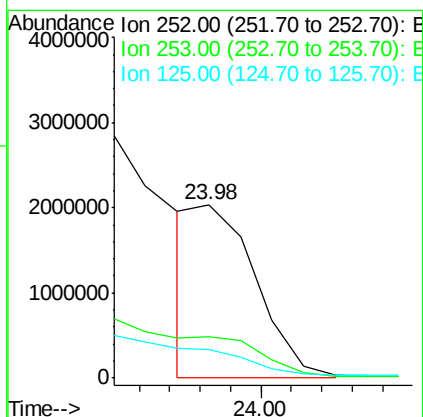
Tgt Ion:252 Resp: 2848507

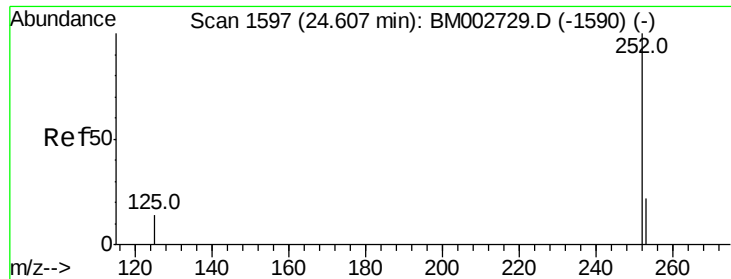
Ion Ratio Lower Upper

252 100

253 23.8 20.8 31.2

125 16.4 12.2 18.4





#25

Benzo(a)pyrene

Concen: 23.34 ng/ul

RT: 24.63 min Scan# 1599

Delta R.T. 0.02 min

Lab File: BM002734.D

Acq: 28 Sep 2015 15:26

Instrument :

BNA_M

ClientSampleId :

D9G67

Tot Ion:252 Resp: 5268763

Ion Ratio Lower Upper

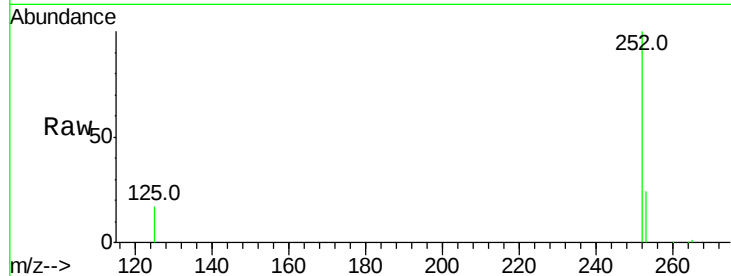
252 100

253 23.6 21.8 32.8

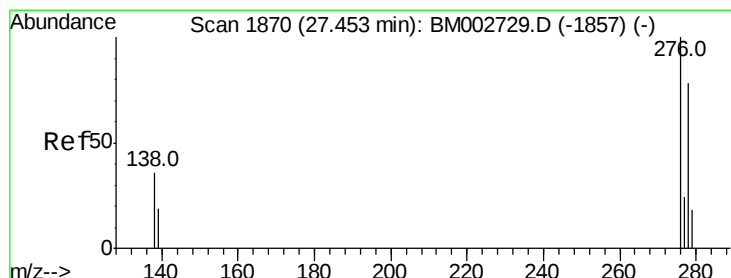
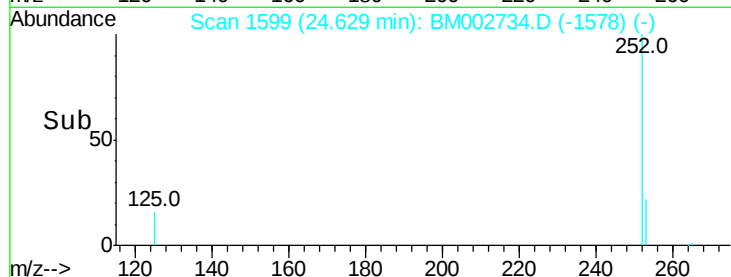
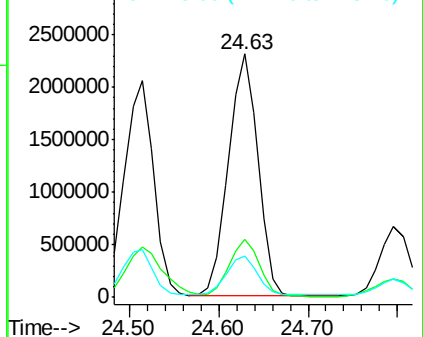
125 17.1 14.5 21.7

Manual Integrations
APPROVED

MMDadoda
9/29/2015 3:42:32 PM



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#26

Indeno(1,2,3-cd)pyrene

Concen: 16.66 ng/ul m

RT: 27.50 min Scan# 1874

Delta R.T. 0.03 min

Lab File: BM002734.D

Acq: 28 Sep 2015 15:26

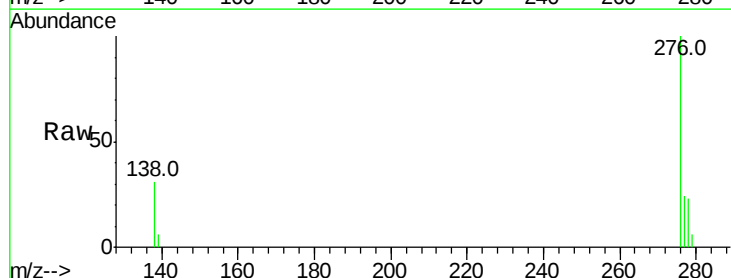
Tgt Ion:276 Resp: 4193674

Ion Ratio Lower Upper

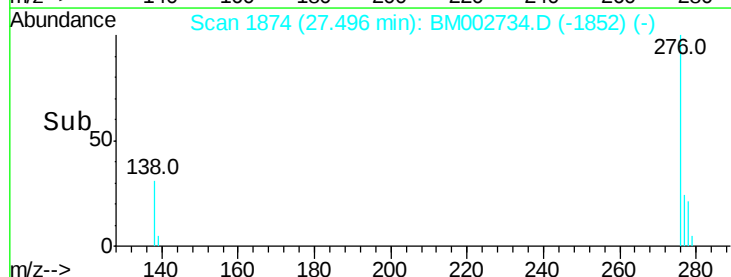
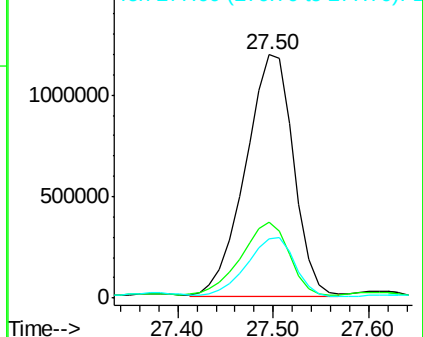
276 100

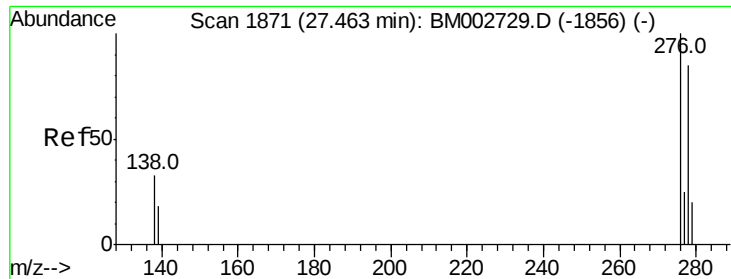
138 29.0 27.5 41.3

277 24.0 19.3 28.9



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





#27
Dibenzo(a,h)anthracene
Concen: 6.77 ng/ul m
RT: 27.50 min Scan# 1874
Delta R.T. 0.02 min
Lab File: BM002734.D
Acq: 28 Sep 2015 15:26

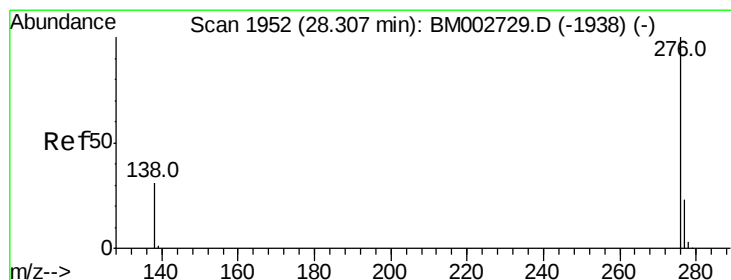
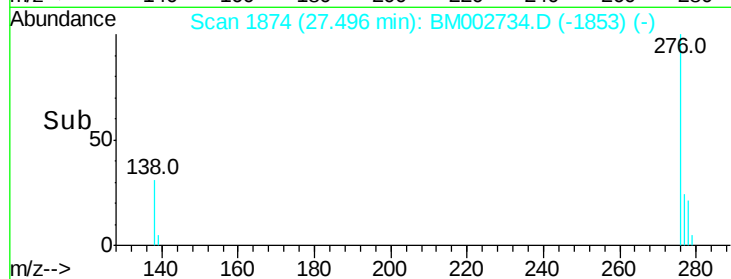
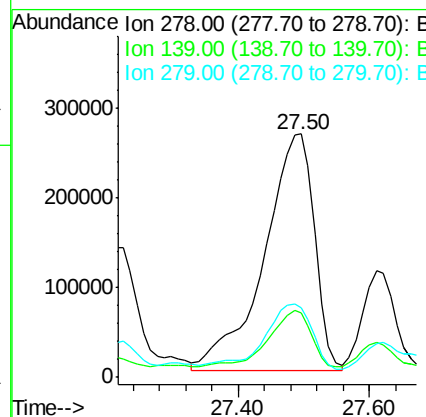
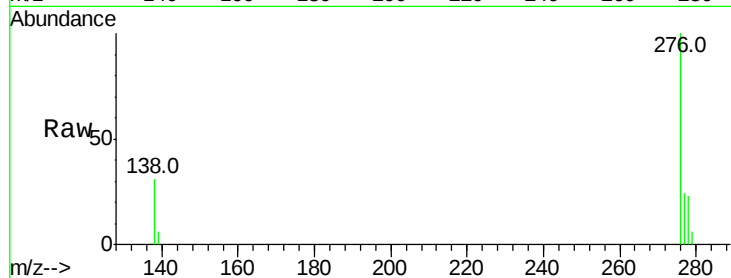
Instrument :
BNA_M
ClientSampleId :
D9G67

Tot Ion:278 Resp: 1397389

Ion	Ratio	Lower	Upper
278	100		
139	26.5	21.7	32.5
279	28.5	21.9	32.9

Manual Integrations
APPROVED

MMDadoda
9/29/2015 3:42:32 PM



#28
Benzo(g,h,i)perylene
Concen: 19.03 ng/ul m
RT: 28.36 min Scan# 1957
Delta R.T. 0.04 min
Lab File: BM002734.D
Acq: 28 Sep 2015 15:26

Tgt Ion:276 Resp: 4063223

Ion	Ratio	Lower	Upper
276	100		
277	24.4	21.3	31.9
138	31.0	25.5	38.3

