

Data Path : Z:\HPCHEM1\BNA M\DATA\BM092815\
 Data File : BM002732.D
 Acq On : 28 Sep 2015 13:35
 Operator : UM/IZ
 Sample : G3798-11
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9G65

Manual Integrations
 APPROVED

MMDadoda
 9/29/2015 3:42:18 PM

Quant Time: Sep 29 04:44:27 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 00:32:23 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.74	152	10696	0.40	ng/ul	0.00
4) Naphthalene-d8	11.60	136	41503	0.40	ng/ul	0.01
8) Acenaphthene-d10	15.33	164	22859	0.40	ng/ul	0.00
12) Phenanthrene-d10	18.03	188	46904	0.40	ng/ul	0.00
18) Chrysene-d12	22.13	240	50831	0.40	ng/ul	0.00
22) Perylene-d12	24.73	264	40410m	0.40	ng/ul	0.01
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.80	96	24956	2.26	ng/uL	0.00
6) 2-Methylnaphthalene-d10	13.13	152	10113	0.17	ng/ul	0.00
16) Fluoranthene-d10	20.01	212	19698	0.17	ng/ul	0.01
Target Compounds				Ovalue		
5) Naphthalene	11.65	128	241186	2.14	ng/ul	97
7) 2-Methylnaphthalene	13.20	142	164532	2.27	ng/ul	99
9) Acenaphthylene	15.06	152	397082	3.37	ng/ul#	94
10) Acenaphthene	15.38	153	57596	0.67	ng/ul	92
11) Fluorene	16.36	166	104982m	1.07	ng/ul	
13) Pentachlorophenol	17.69	266	5265	0.58	ng/ul	96
14) Phenanthrene	18.08	178	2623921	17.19	ng/ul	95
15) Anthracene	18.16	178	897779	6.36	ng/ul	97
17) Fluoranthene	20.03	202	5489535	33.07	ng/ul	96
19) Pyrene	20.39	202	4981362	25.15	ng/ul	98
20) Benzo(a)anthracene	22.11	228	3174667	18.69	ng/ul	94
21) Chrysene	22.16	228	2824400	17.37	ng/ul	97
23) Benzo(b)fluoranthene	23.93	252	4554666m	31.26	ng/ul	
24) Benzo(k)fluoranthene	23.97	252	1240390m	9.19	ng/ul	
25) Benzo(a)pyrene	24.62	252	2867730m	21.38	ng/ul	
26) Indeno(1,2,3-cd)pyrene	27.47	276	2169090m	14.50	ng/ul	
27) Dibenzo(a,h)anthracene	27.46	278	601331m	4.90	ng/ul	
28) Benzo(a,h,i)perylene	28.33	276	1799897m	14.19	ng/ul	

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

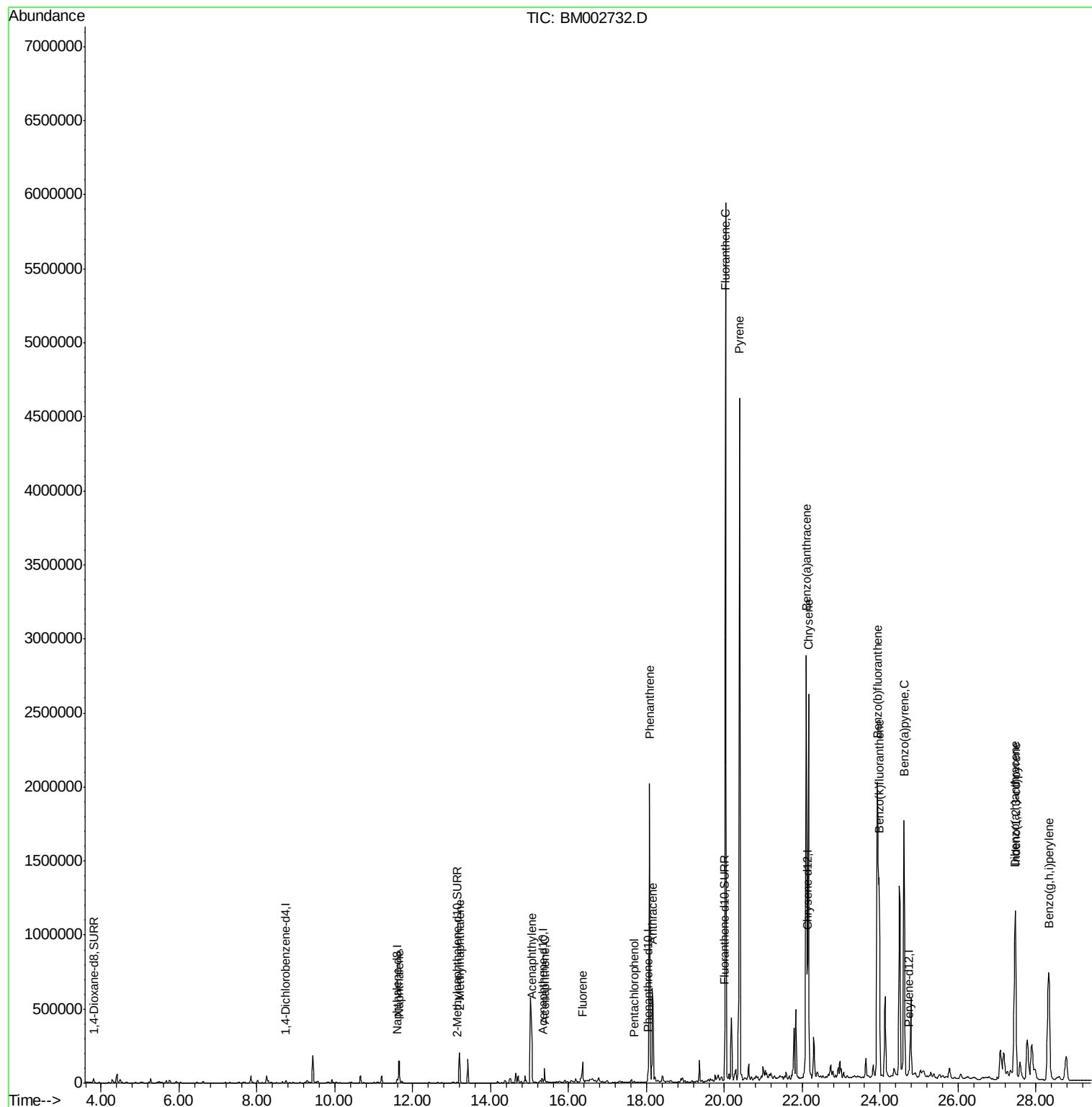
Data Path : Z:\HPCHEM1\BNA M\DATA\BM092815\
Data File : BM002732.D
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Misc :
ALS Vial : 5 Sample Multiplier: 1

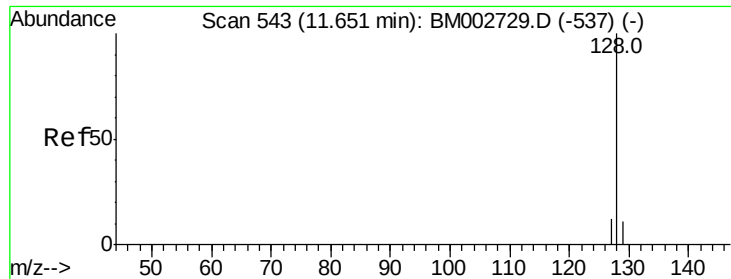
Instrument :
BNA_M
ClientSampleId :
D9G65

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#5

Naphthalene

Concen: 2.14 ng/ul

RT: 11.65 min Scan# 543

Delta R.T. -0.00 min

Lab File: BM002732.D

Acq: 28 Sep 2015 13:35

Instrument :

BNA_M

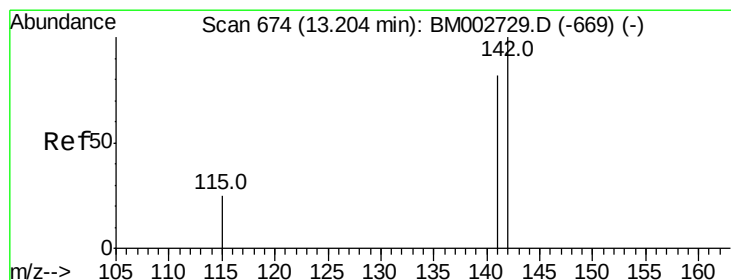
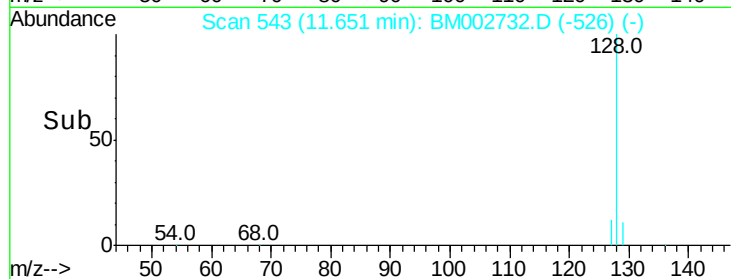
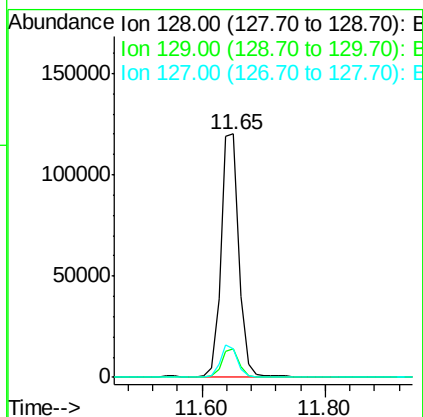
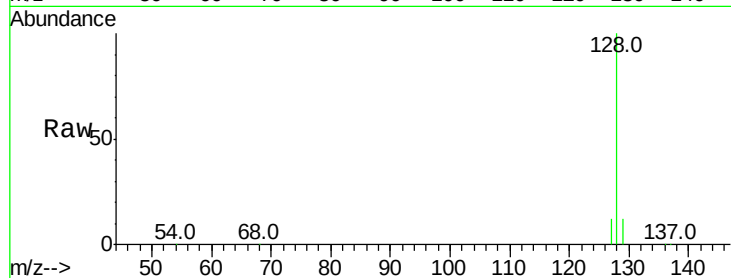
ClientSampleId :

D9G65

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Tot Ion:	128	Resp:	241186
Ion Ratio	Lower	Upper	
128	100		
129	11.6	9.8	14.8
127	11.7	10.7	16.1



#7

2-Methylnaphthalene

Concen: 2.27 ng/ul

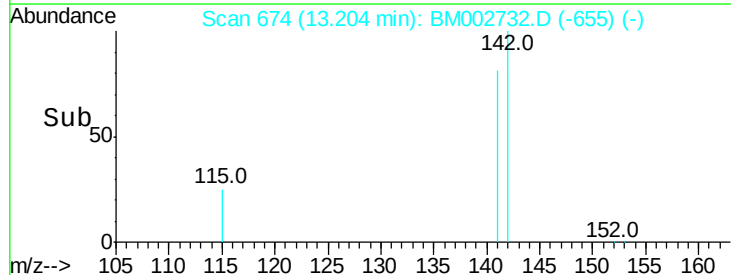
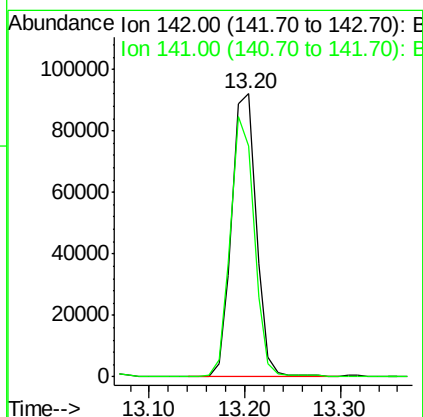
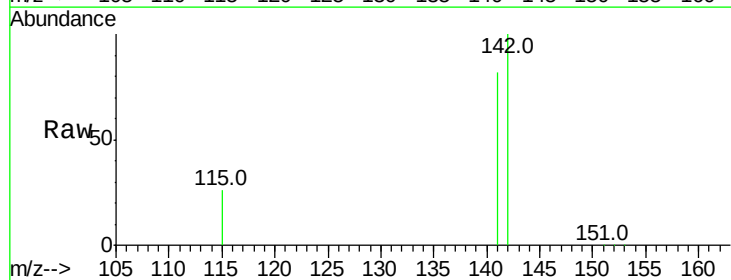
RT: 13.20 min Scan# 674

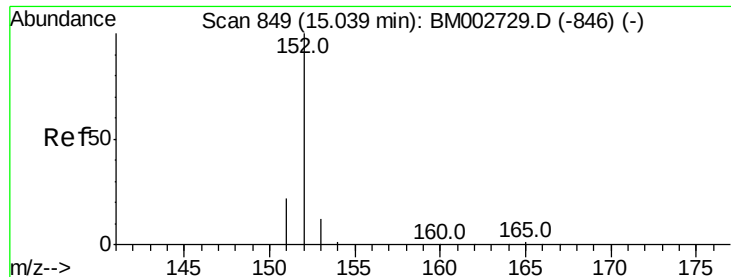
Delta R.T. -0.00 min

Lab File: BM002732.D

Acq: 28 Sep 2015 13:35

Tgt Ion:	142	Resp:	164532
Ion Ratio	Lower	Upper	
142	100		
141	88.7	70.3	105.5





#9

Acenaphthylene

Concen: 3.37 ng/ul

RT: 15.06 min Scan# 850

Delta R.T. 0.02 min

Lab File: BM002732.D

Acq: 28 Sep 2015 13:35

Instrument :

BNA_M

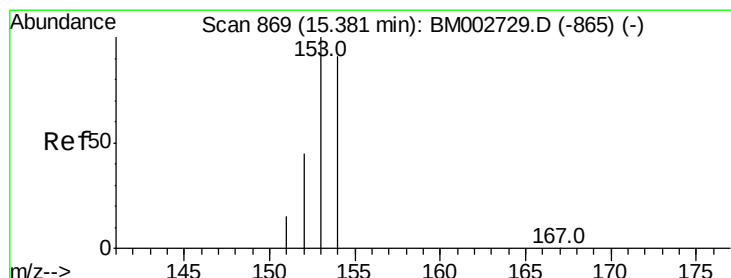
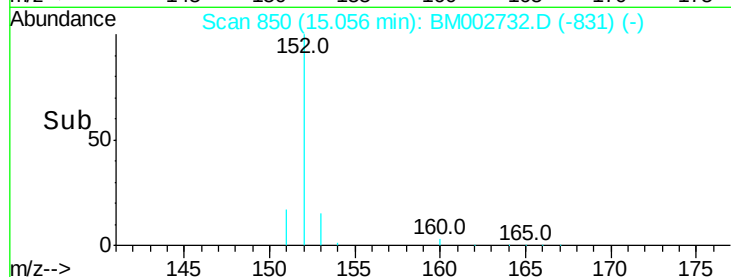
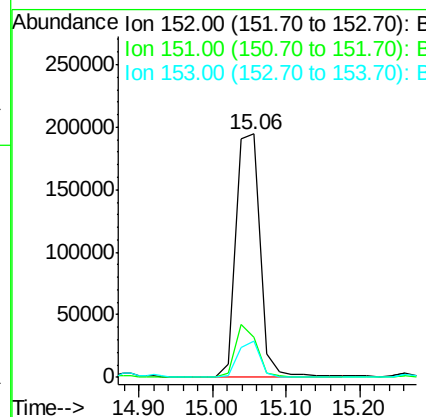
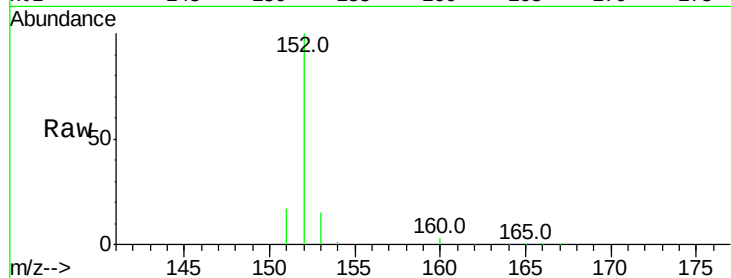
ClientSampled :

D9G65

Tot Ion	Ratio	Resp	Lower	Upper
152	100	397082		
151	16.7		16.8	25.2#
153	14.6		11.3	16.9

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#10

Acenaphthene

Concen: 0.67 ng/ul

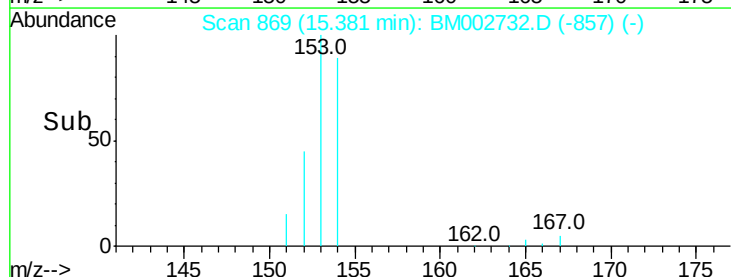
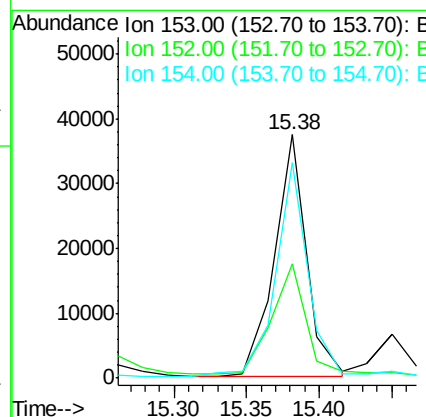
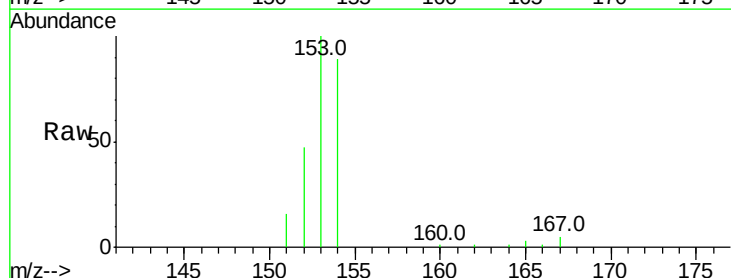
RT: 15.38 min Scan# 869

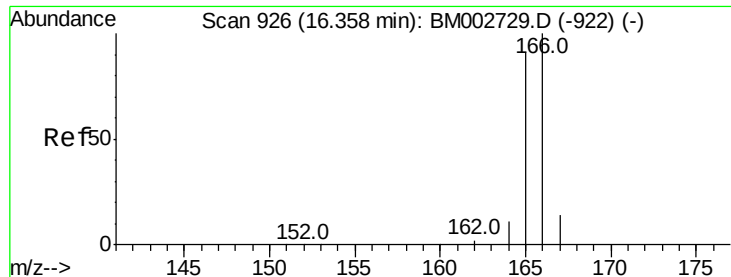
Delta R.T. -0.00 min

Lab File: BM002732.D

Acq: 28 Sep 2015 13:35

Tgt Ion	Ratio	Resp	Lower	Upper
153	100	57596		
152	47.2		42.3	63.5
154	88.6		64.7	97.1





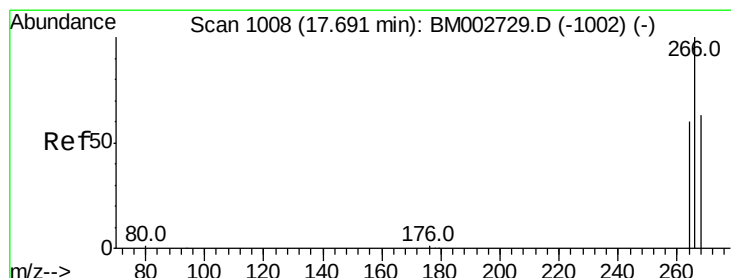
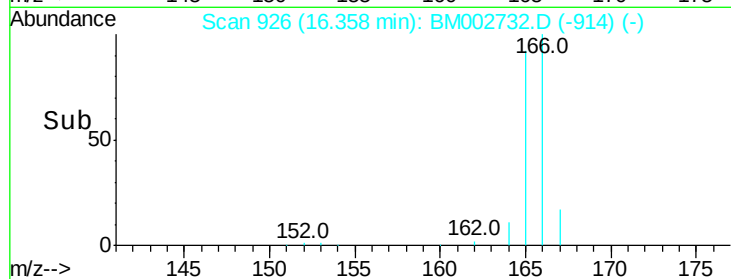
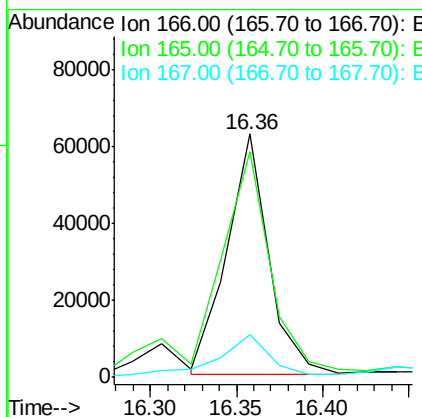
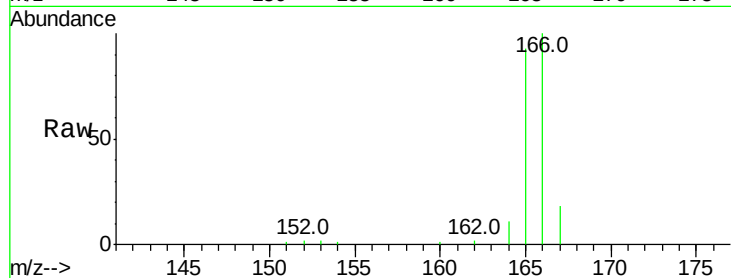
#11
 Fluorene
 Concen: 1.07 ng/ul m
 RT: 16.36 min Scan# 926
 Delta R.T. -0.00 min
 Lab File: BM002732.D
 Acq: 28 Sep 2015 13:35

Instrument :
 BNA_M
 ClientSampleId :
 D9G65

Tot Ion	Ratio	Resp	Lower	Upper
166	100			
165	92.7	87.6	131.4	
167	17.7	11.1	16.7#	

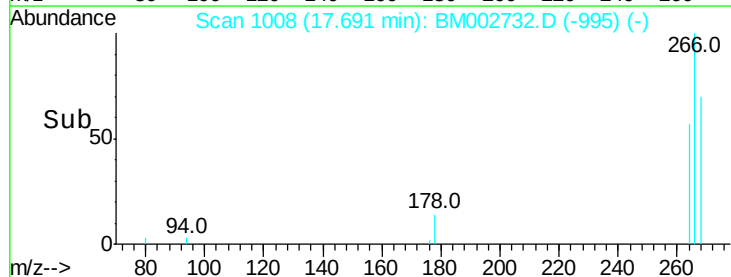
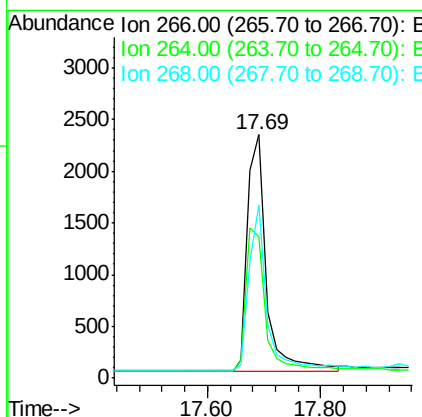
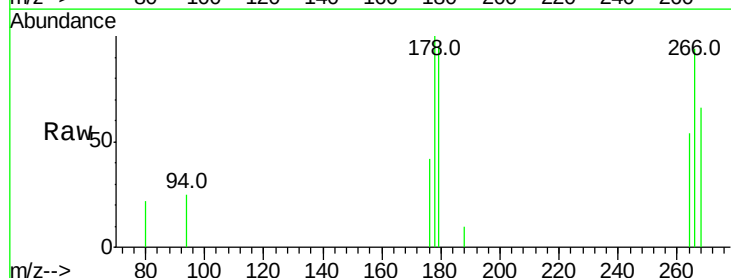
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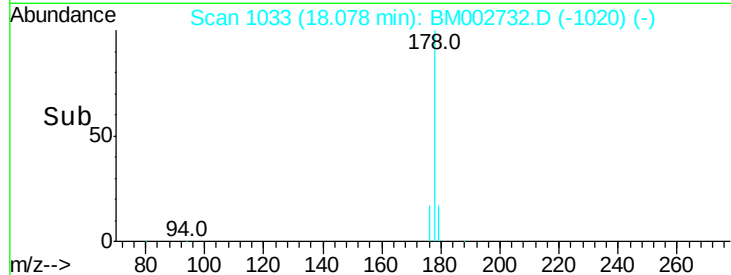
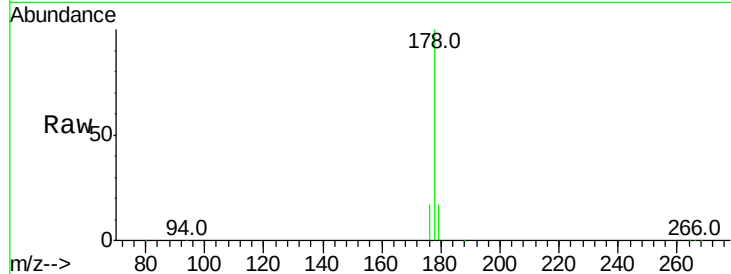
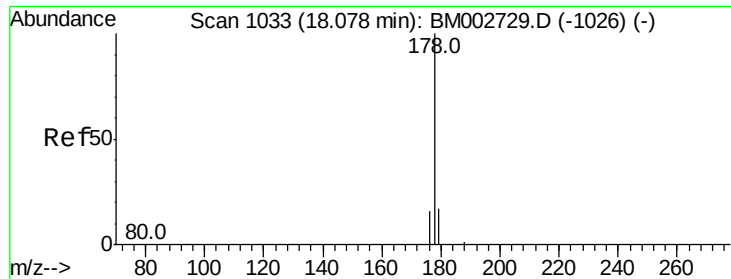
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#13
 Pentachlorophenol
 Concen: 0.58 ng/ul
 RT: 17.69 min Scan# 1008
 Delta R.T. -0.00 min
 Lab File: BM002732.D
 Acq: 28 Sep 2015 13:35

Tgt Ion	Ratio	Resp	Lower	Upper
266	100			
264	63.1	53.5	80.3	
268	65.0	54.2	81.2	





#14

Phenanthrene

Concen: 17.19 ng/ul

RT: 18.08 min Scan# 1033

Delta R.T. -0.00 min

Lab File: BM002732.D

Acq: 28 Sep 2015 13:35

Tot Ion:178 Resp: 2623921

Ion Ratio Lower Upper

178 100

176 16.9 16.2 24.4

179 16.8 12.8 19.2

Instrument :

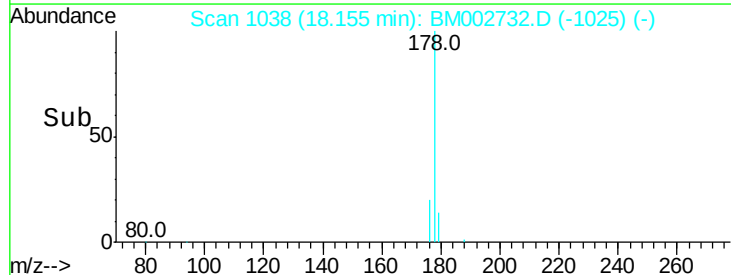
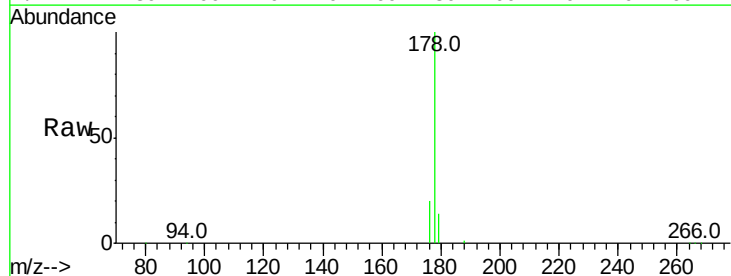
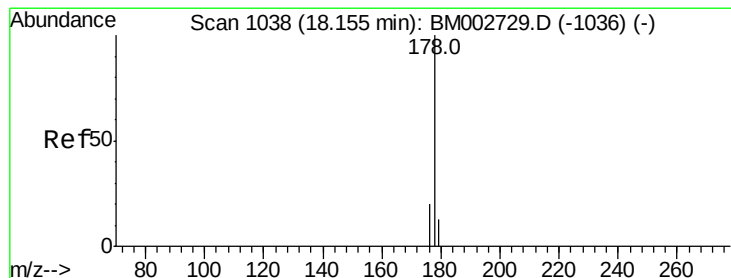
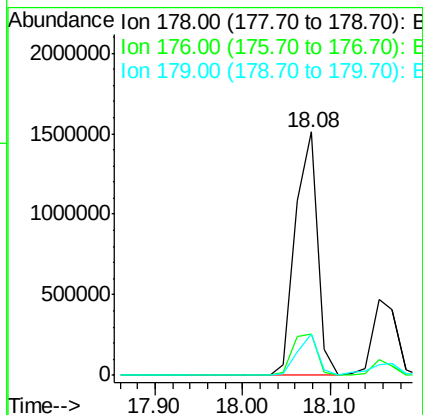
BNA_M

ClientSampleId :

D9G65

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#15

Anthracene

Concen: 6.36 ng/ul

RT: 18.16 min Scan# 1038

Delta R.T. -0.00 min

Lab File: BM002732.D

Acq: 28 Sep 2015 13:35

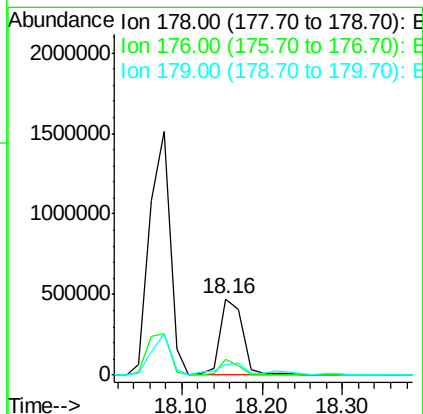
Tgt Ion:178 Resp: 897779

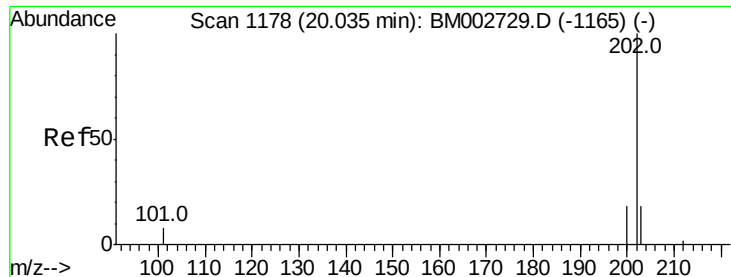
Ion Ratio Lower Upper

178 100

176 20.5 15.8 23.8

179 14.2 13.3 19.9





#17

Fluoranthene

Concen: 33.07 ng/ul

RT: 20.03 min Scan# 1178

Delta R.T. -0.00 min

Lab File: BM002732.D

Acq: 28 Sep 2015 13:35

Instrument :

BNA_M

ClientSampleId :

D9G65

Tot Ion:202 Resp: 5489535

Ion Ratio Lower Upper

202 100

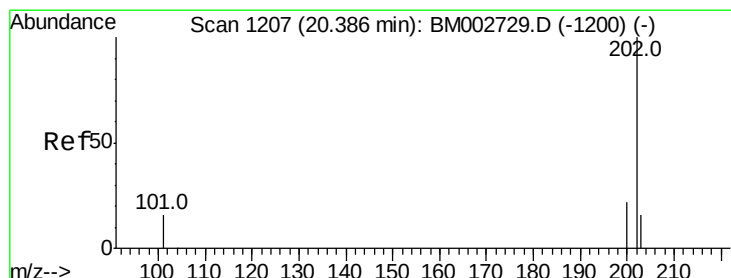
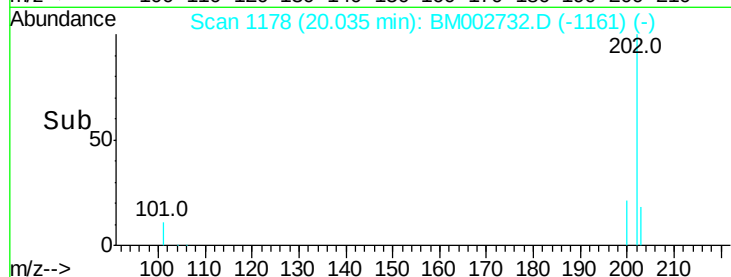
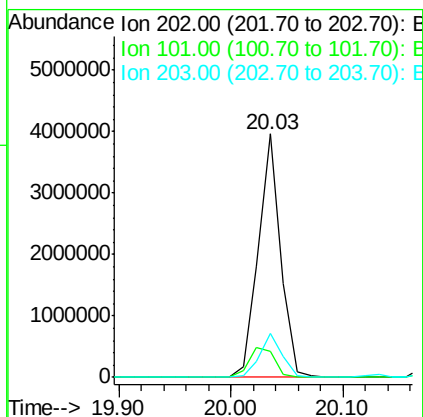
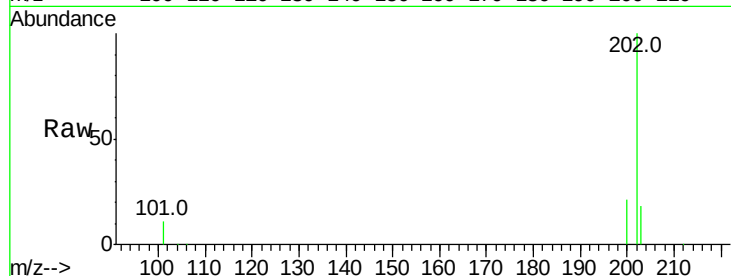
101 10.8 0.0 33.1

203 18.0 0.0 37.2

Manual Integrations
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#19

Pyrene

Concen: 25.15 ng/ul

RT: 20.39 min Scan# 1207

Delta R.T. -0.00 min

Lab File: BM002732.D

Acq: 28 Sep 2015 13:35

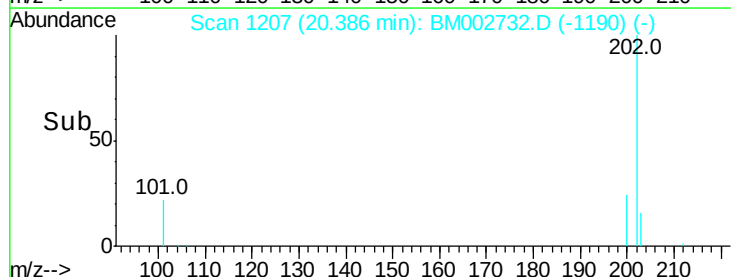
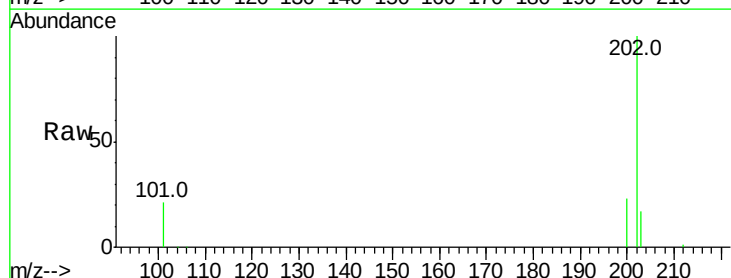
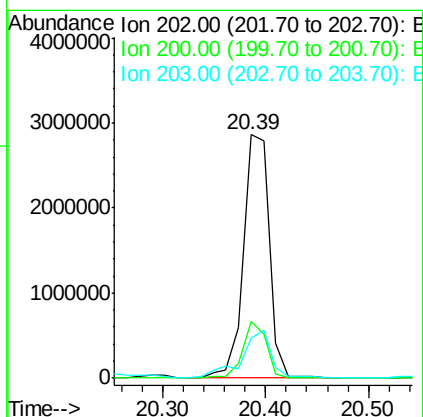
Tgt Ion:202 Resp: 4981362

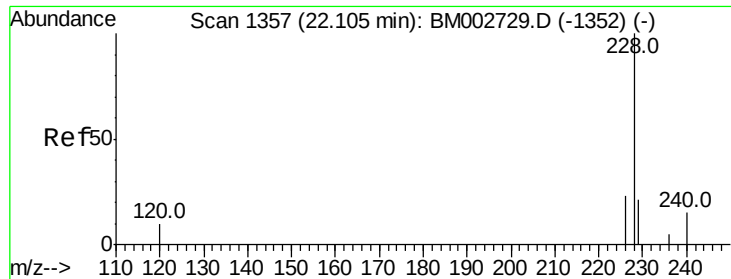
Ion Ratio Lower Upper

202 100

200 23.5 18.0 27.0

203 16.7 13.8 20.6





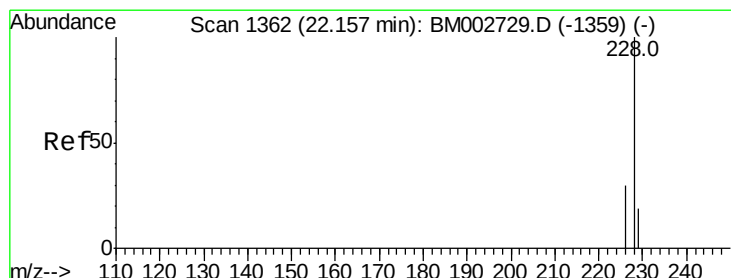
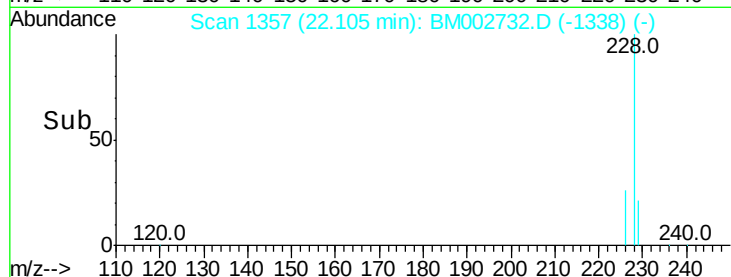
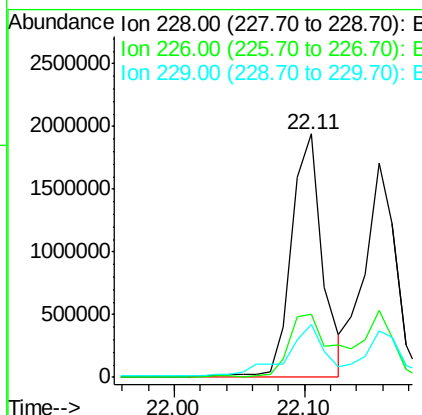
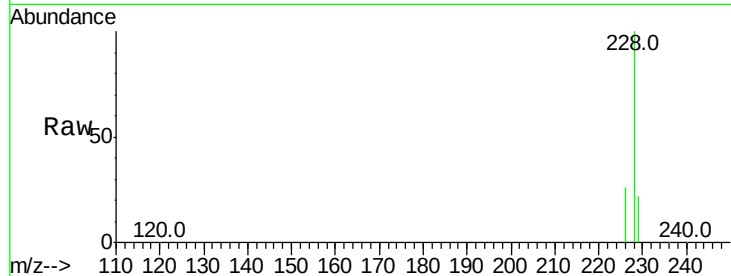
#20
Benzo(a)anthracene
Concen: 18.69 ng/ul
RT: 22.11 min Scan# 1357
Delta R.T. -0.00 min
Lab File: BM002732.D
Acq: 28 Sep 2015 13:35

Instrument :
BNA_M
ClientSampled :
D9G65

Tot Ion:228 Resp: 3174667
Ion Ratio Lower Upper
228 100
226 26.0 23.0 34.4
229 22.0 15.2 22.8

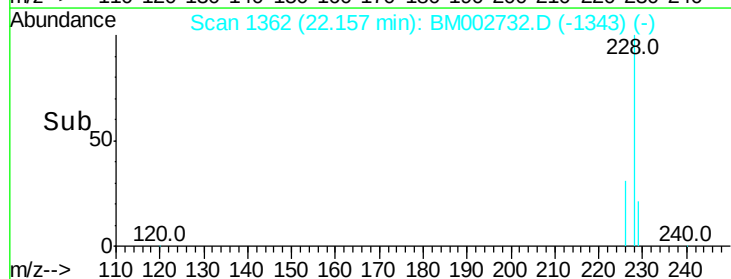
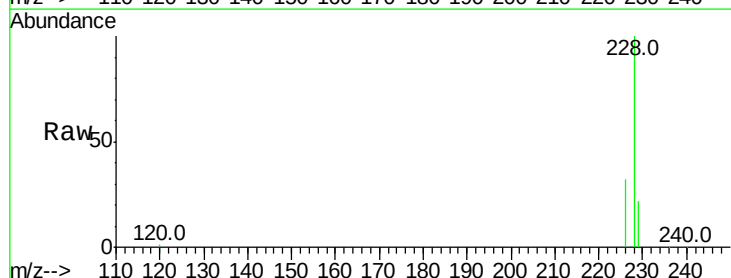
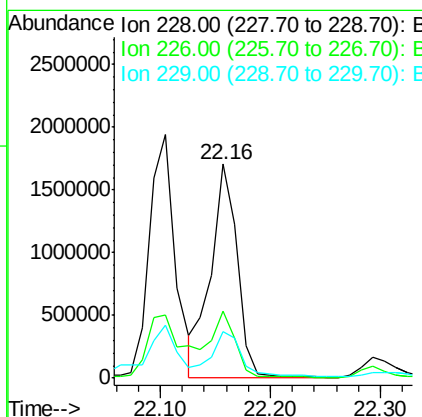
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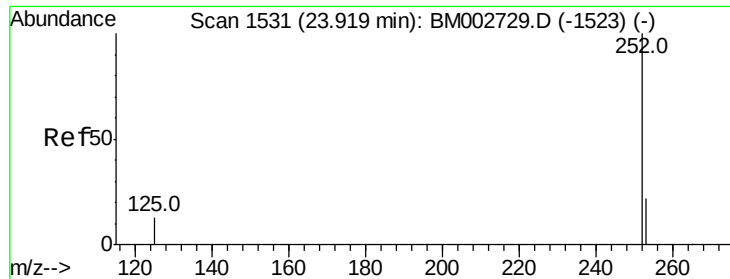
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#21
Chrysene
Concen: 17.37 ng/ul
RT: 22.16 min Scan# 1362
Delta R.T. -0.00 min
Lab File: BM002732.D
Acq: 28 Sep 2015 13:35

Tgt Ion:228 Resp: 2824400
Ion Ratio Lower Upper
228 100
226 31.5 25.7 38.5
229 21.8 15.2 22.8





#23

Benzo(b)fluoranthene

Concen: 31.26 ng/ul m

RT: 23.93 min Scan# 1532

Delta R.T. 0.01 min

Lab File: BM002732.D

Acq: 28 Sep 2015 13:35

Instrument :

BNA_M

ClientSampleId :

D9G65

Tot Ion:252 Resp: 4554666

Ion Ratio Lower Upper

252 100

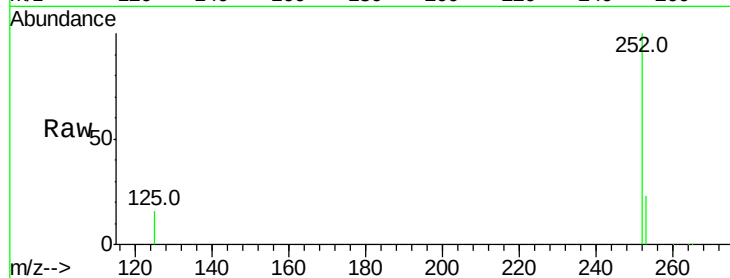
253 23.1 0.0 48.0

125 16.4 0.0 36.6

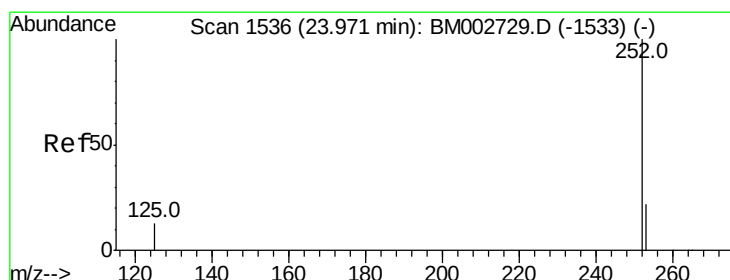
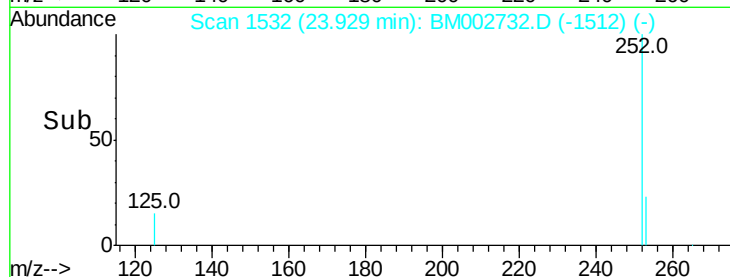
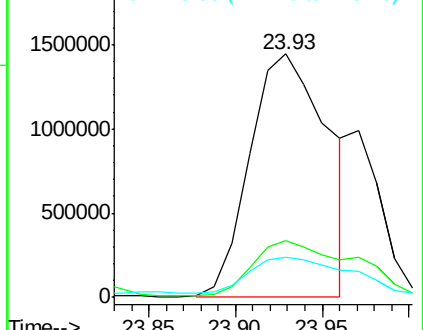
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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#24

Benzo(k)fluoranthene

Concen: 9.19 ng/ul m

RT: 23.97 min Scan# 1536

Delta R.T. -0.00 min

Lab File: BM002732.D

Acq: 28 Sep 2015 13:35

Tgt Ion:252 Resp: 1240390

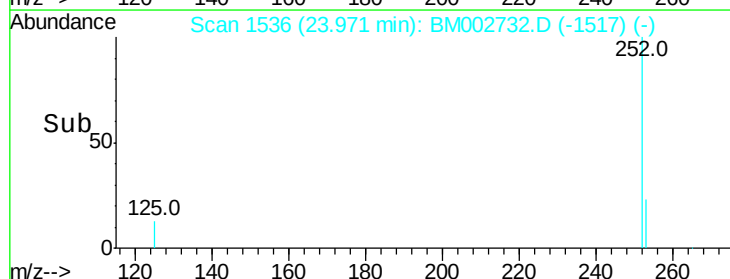
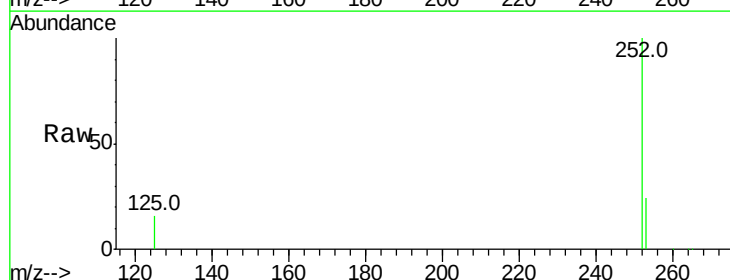
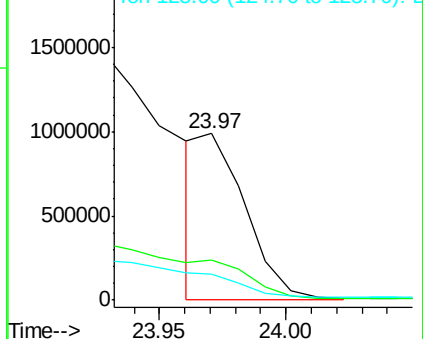
Ion Ratio Lower Upper

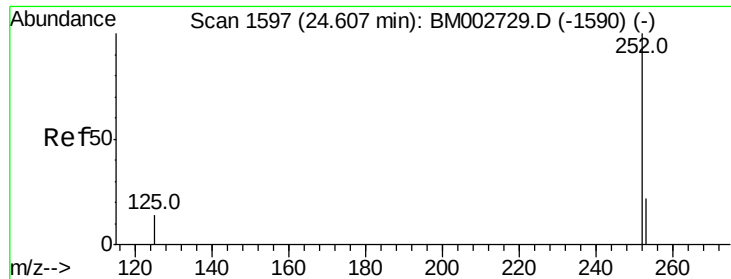
252 100

253 24.0 20.8 31.2

125 15.7 12.2 18.4

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





#25

Benzo(a)pyrene

Concen: 21.38 ng/ul m

RT: 24.62 min Scan# 1598

Delta R.T. 0.01 min

Lab File: BM002732.D

Acq: 28 Sep 2015 13:35

Instrument :

BNA_M

ClientSampleId :

D9G65

Tot Ion:252 Resp: 2867730

Ion Ratio Lower Upper

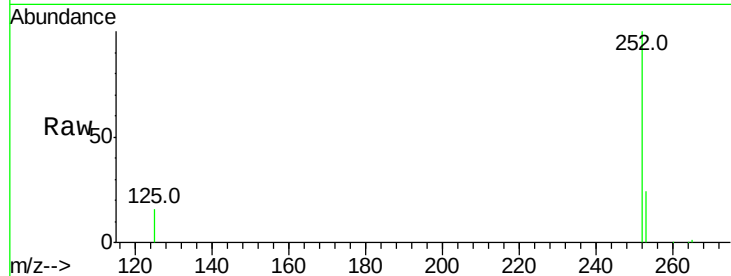
252 100

253 23.5 21.8 32.8

125 15.8 14.5 21.7

Manual Integrations
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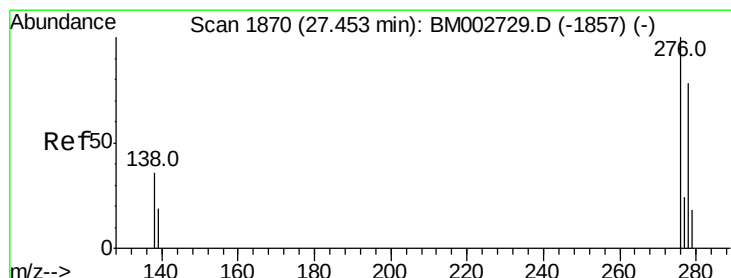
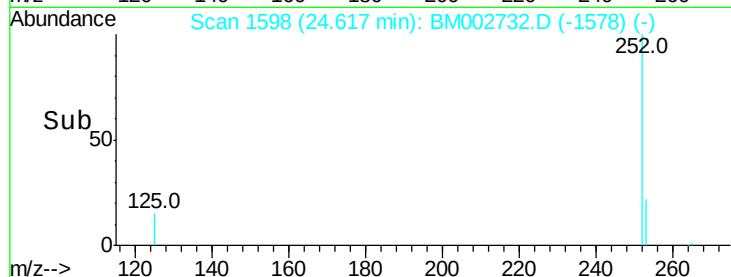
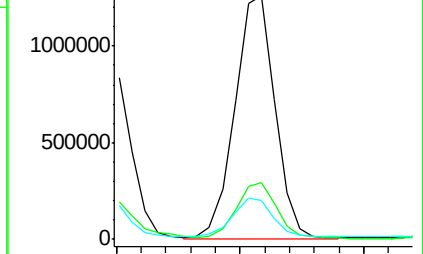
MMDadoda
9/29/2015 3:42:18 PM



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: 14.50 ng/ul m

RT: 27.47 min Scan# 1872

Delta R.T. 0.02 min

Lab File: BM002732.D

Acq: 28 Sep 2015 13:35

Tgt Ion:276 Resp: 2169090

Ion Ratio Lower Upper

276 100

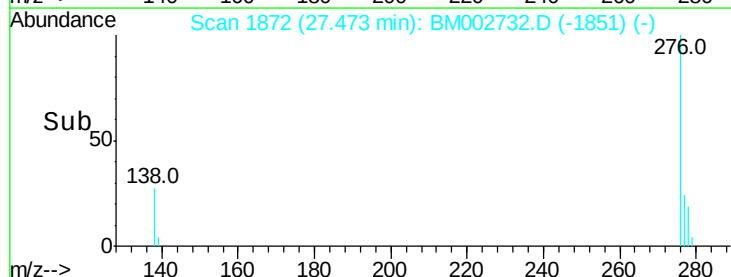
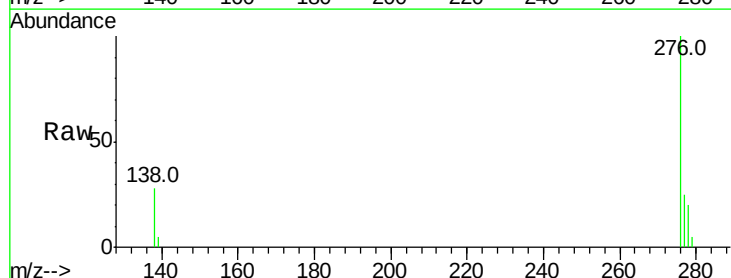
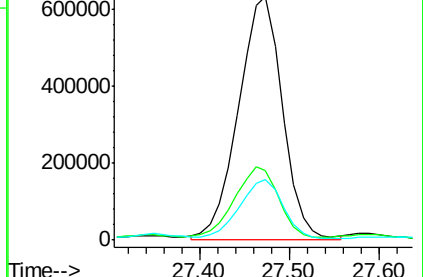
138 0.6 27.5 41.3#

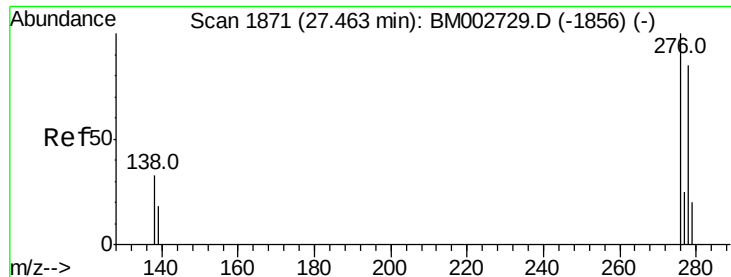
277 0.9 19.3 28.9#

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





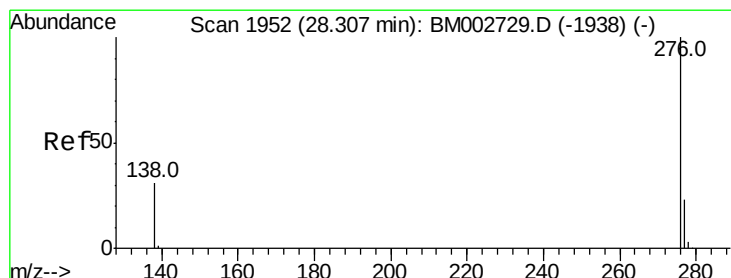
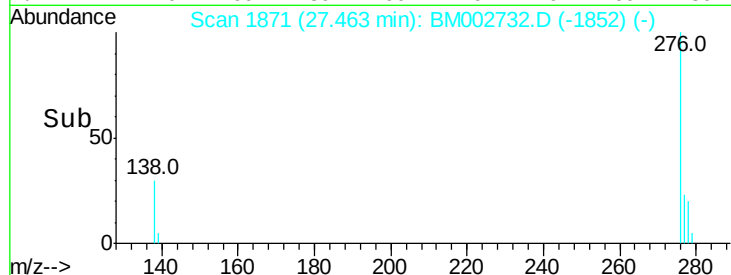
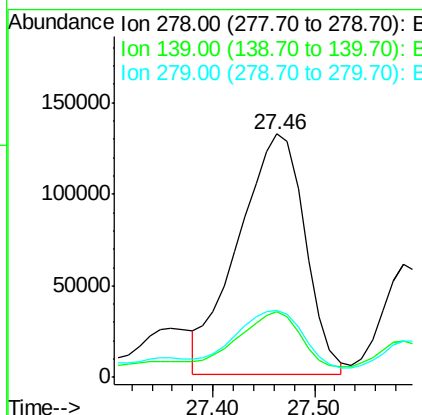
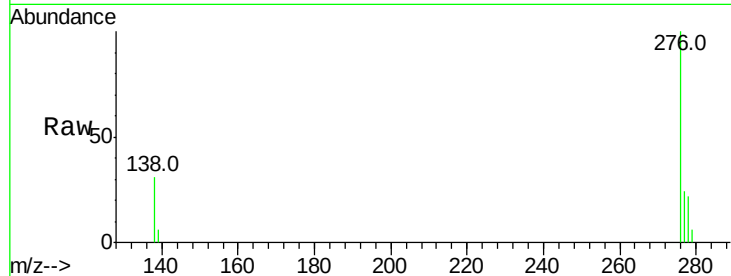
#27
Dibenzo(a,h)anthracene
Concen: 4.90 ng/ul m
RT: 27.46 min Scan# 1871
Delta R.T. -0.00 min
Lab File: BM002732.D
Acq: 28 Sep 2015 13:35

Instrument :
BNA_M
ClientSampleId :
D9G65

Tot Ion	Ratio	Lower	Upper
278	100		
139	27.1	21.7	32.5
279	27.5	21.9	32.9

Manual Integrations
APPROVED

MMDadoda
9/29/2015 3:42:18 PM



#28
Benzo(g,h,i)perylene
Concen: 14.19 ng/ul m
RT: 28.33 min Scan# 1954
Delta R.T. 0.02 min
Lab File: BM002732.D
Acq: 28 Sep 2015 13:35

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.6	21.3	31.9
138	30.2	25.5	38.3

