

Data Path : Z:\HPCHEM1\BNA M\DATA\BM092815\
 Data File : BM002749.D
 Acq On : 29 Sep 2015 00:33
 Operator : UM/IZ
 Sample : G3798-25MS
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9G67MS

Manual Integrations
 APPROVED

MMDadoda
 9/29/2015 3:43:54 PM

Quant Time: Sep 29 04:54:28 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	8288	0.40	ng/ul	0.00
4) Naphthalene-d8	11.60	136	32246	0.40	ng/ul	0.00
8) Acenaphthene-d10	15.33	164	17257	0.40	ng/ul	0.00
12) Phenanthrene-d10	18.03	188	37167	0.40	ng/ul	0.00
18) Chrysene-d12	22.13	240	42851	0.40	ng/ul	0.00
22) Perylene-d12	24.73	264	44593m	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.80	96	15207	1.78	ng/uL	0.00
6) 2-Methylnaphthalene-d10	13.13	152	5407m	0.11	ng/ul	0.00
16) Fluoranthene-d10	20.01	212	9051	0.10	ng/ul	0.00
Target Compounds				Ovalue		
5) Naphthalene	11.65	128	20034	0.23	ng/ul	99
7) 2-Methylnaphthalene	13.20	142	12738	0.23	ng/ul	99
9) Acenaphthylene	15.06	152	84830	0.95	ng/ul	96
10) Acenaphthene	15.38	153	694581	10.69	ng/ul	95
11) Fluorene	16.36	166	148914m	2.01	ng/ul	
13) Pentachlorophenol	17.69	266	52102	7.18	ng/ul	95
14) Phenanthrene	18.08	178	3998398	33.06	ng/ul	99
15) Anthracene	18.17	178	666833	5.97	ng/ul	96
17) Fluoranthene	20.05	202	8515993	64.74	ng/ul	89
19) Pyrene	20.40	202	7815104	46.80	ng/ul	98
20) Benzo(a)anthracene	22.10	228	3105441m	21.69	ng/ul	
21) Chrysene	22.17	228	3572116m	26.06	ng/ul	
23) Benzo(b)fluoranthene	23.93	252	4408021m	27.42	ng/ul	
24) Benzo(k)fluoranthene	23.97	252	1679801m	11.28	ng/ul	
25) Benzo(a)pyrene	24.62	252	2860129m	19.32	ng/ul	
26) Indeno(1,2,3-cd)pyrene	27.48	276	2239871m	13.57	ng/ul	
27) Dibenzo(a,h)anthracene	27.48	278	552879m	4.08	ng/ul	
28) Benzo(a,h,i)perylene	28.35	276	1864882m	13.32	ng/ul	

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

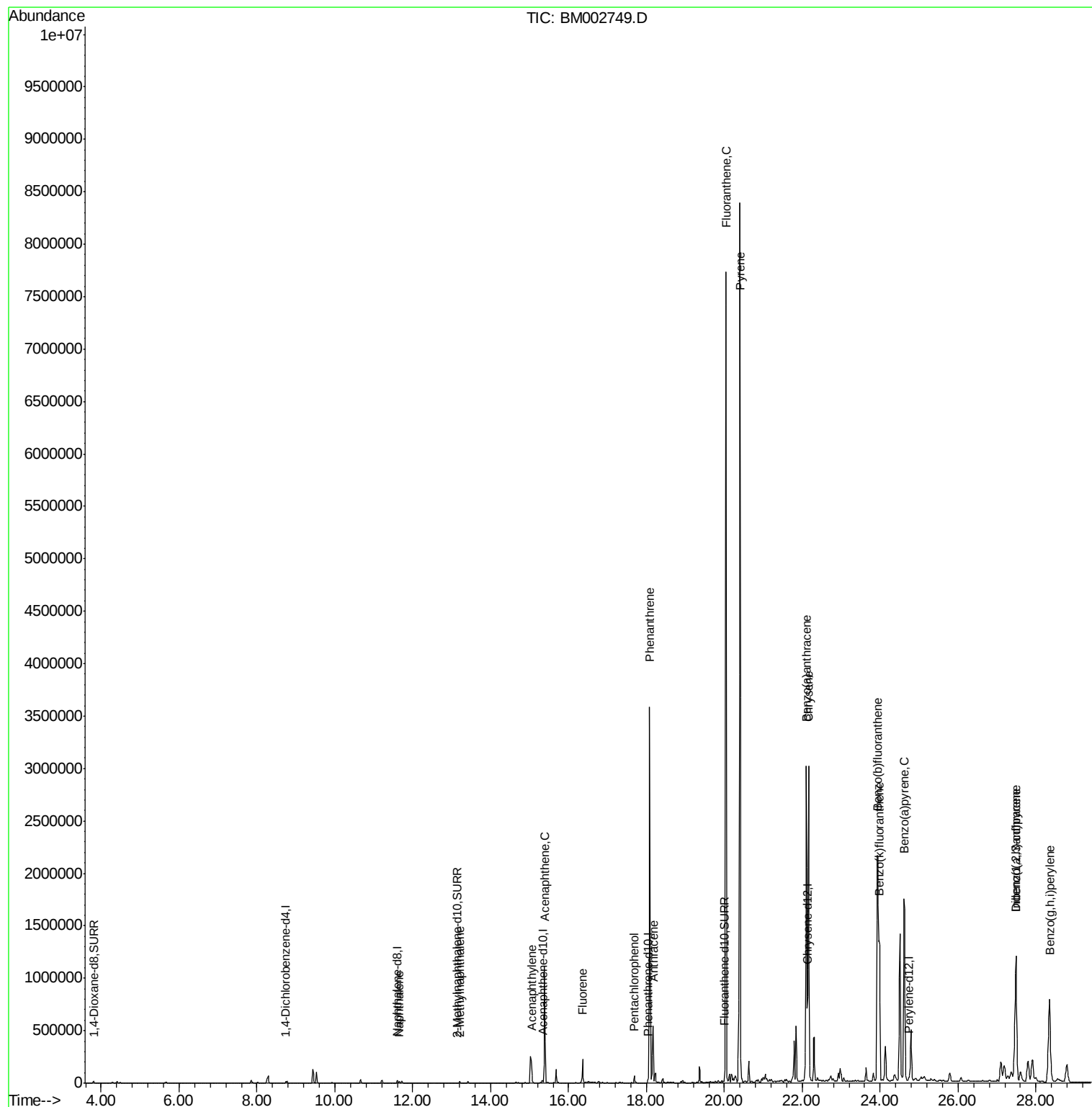
Data Path : Z:\HPCHEM1\BNA M\DATA\BM092815\
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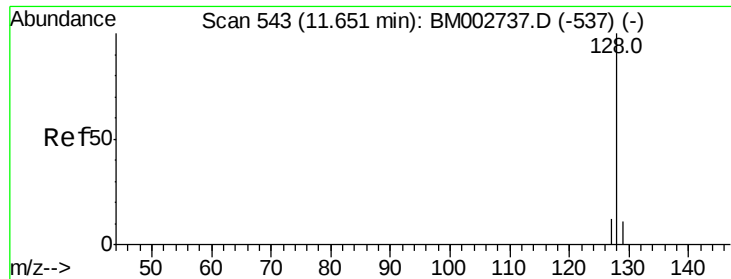
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#5

Naphthalene

Concen: 0.23 ng/ul

RT: 11.65 min Scan# 543

Delta R.T. -0.00 min

Lab File: BM002749.D

Acq: 29 Sep 2015 00:33

Instrument :

BNA_M

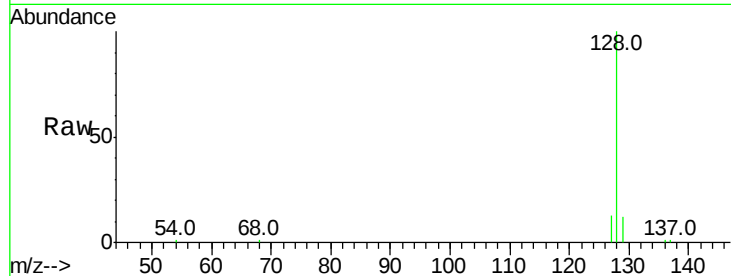
ClientSampleId :

D9G67MS

Tot Ion:128	Resp:	20034
Ion Ratio	Lower	Upper
128 100		
129 12.1	9.8	14.8
127 12.9	10.7	16.1

Manual Integrations
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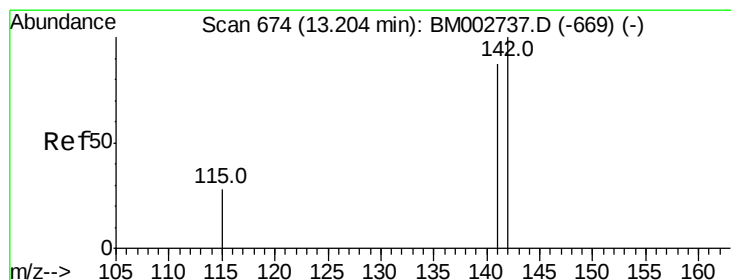
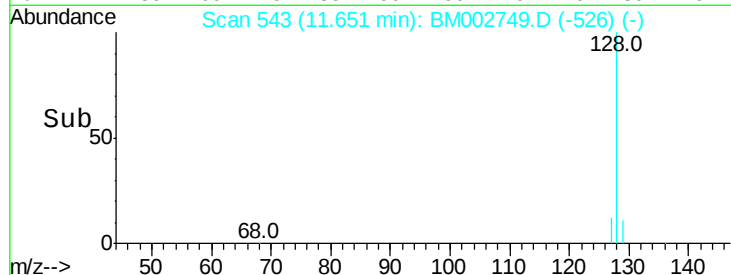
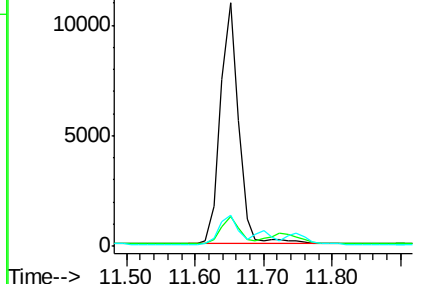
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#7

2-Methylnaphthalene

Concen: 0.23 ng/ul

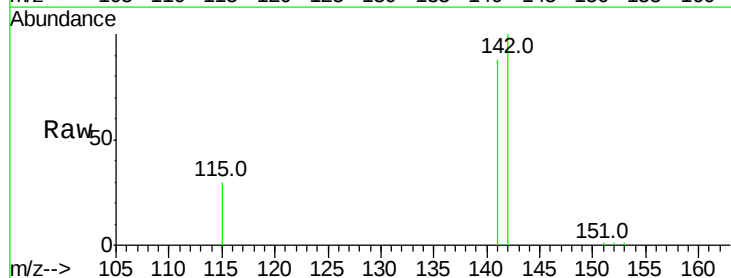
RT: 13.20 min Scan# 674

Delta R.T. -0.00 min

Lab File: BM002749.D

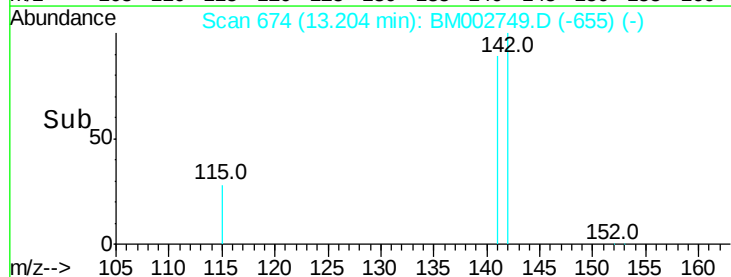
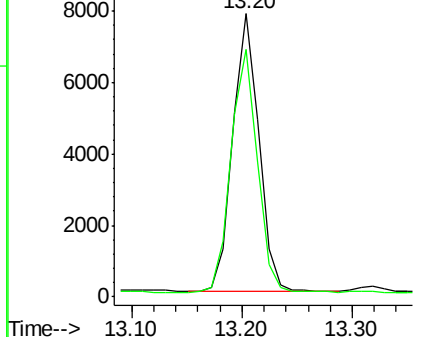
Acq: 29 Sep 2015 00:33

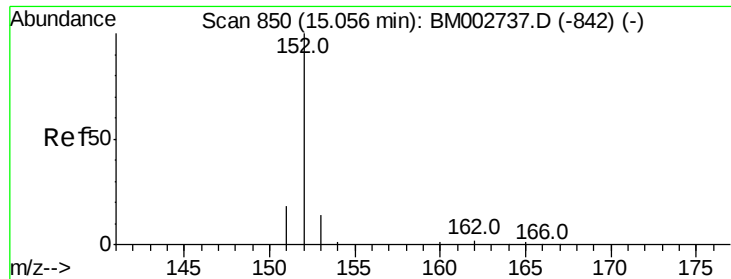
Tgt Ion:142	Resp:	12738
Ion Ratio	Lower	Upper
142 100		
141 88.4	70.3	105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.95 ng/ul

RT: 15.06 min Scan# 850

Delta R.T. -0.00 min

Lab File: BM002749.D

Acq: 29 Sep 2015 00:33

Instrument :

BNA_M

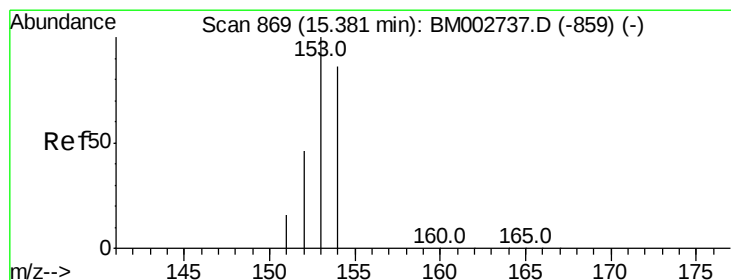
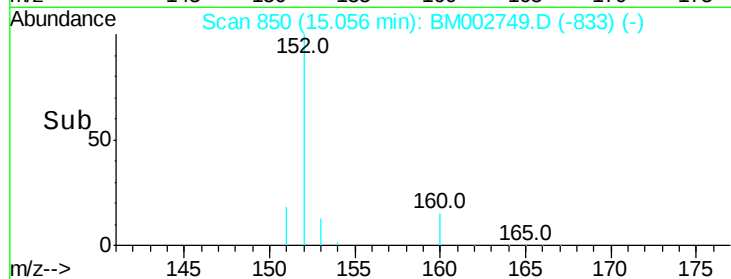
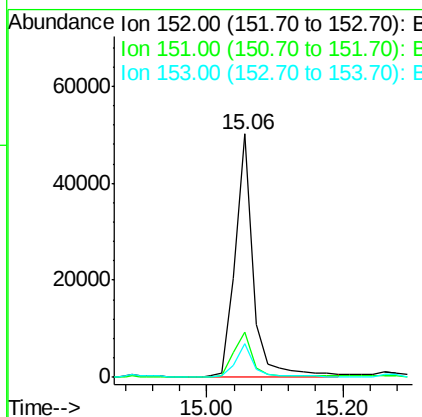
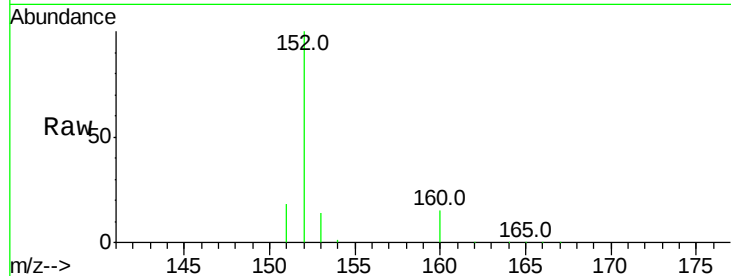
ClientSampleId :

D9G67MS

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Tot Ion	152	Resp	84830
Ion	Ratio	Lower	Upper
152	100		
151	18.4	16.8	25.2
153	13.6	11.3	16.9



#10

Acenaphthene

Concen: 10.69 ng/ul

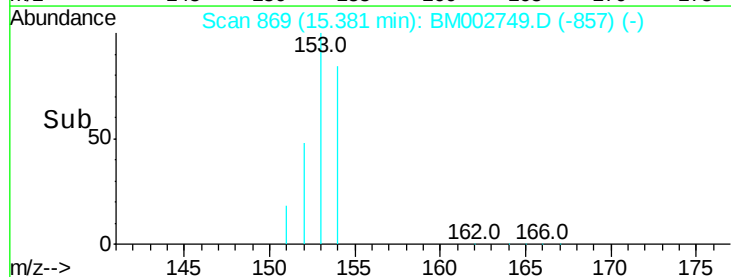
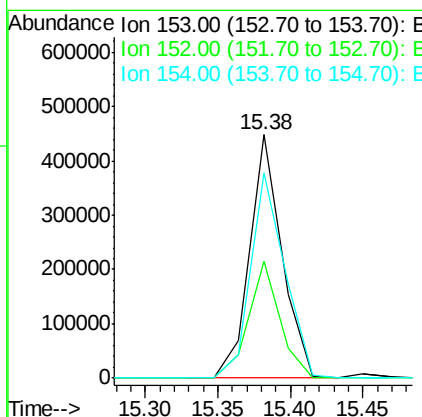
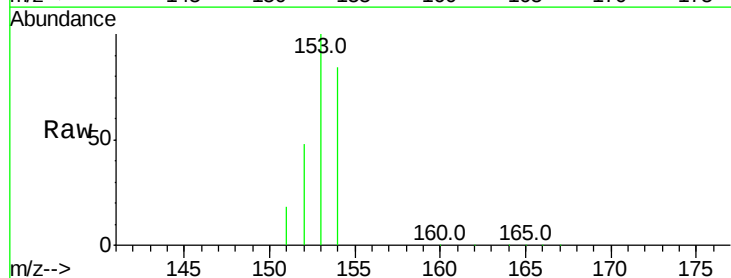
RT: 15.38 min Scan# 869

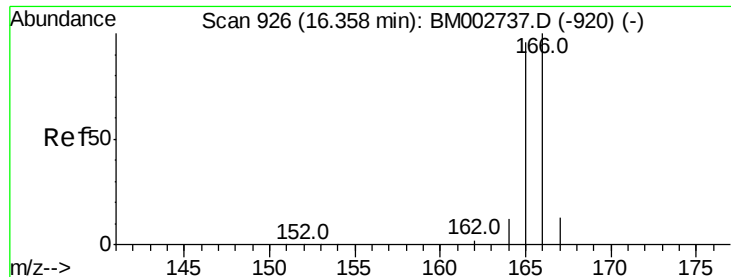
Delta R.T. 0.00 min

Lab File: BM002749.D

Acq: 29 Sep 2015 00:33

Tgt Ion	153	Resp	694581
Ion	Ratio	Lower	Upper
153	100		
152	48.0	42.3	63.5
154	84.2	64.7	97.1





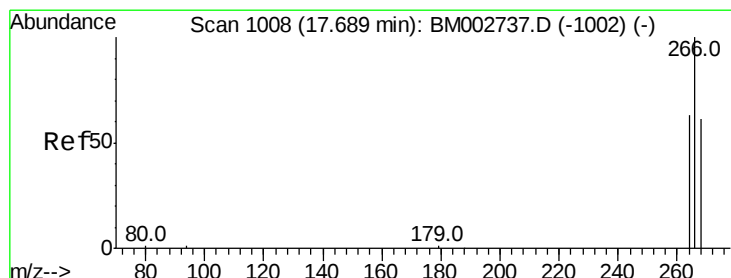
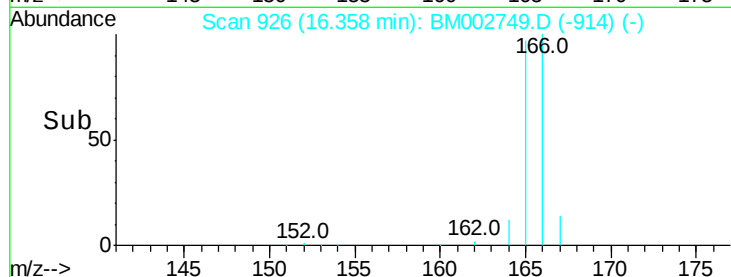
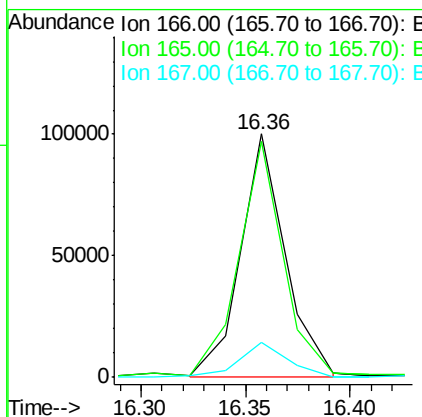
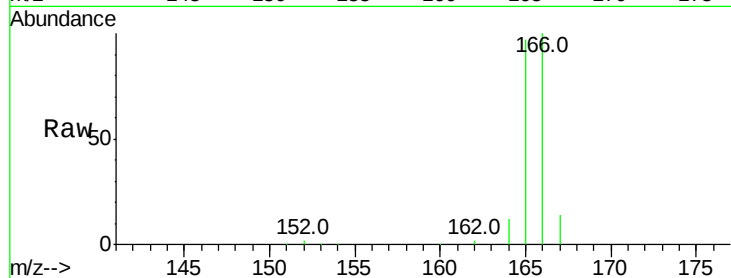
#11
Fluorene
 Concen: 2.01 ng/ul m
 RT: 16.36 min Scan# 926
 Delta R.T. -0.00 min
 Lab File: BM002749.D
 Acq: 29 Sep 2015 00:33

Instrument :
 BNA_M
 ClientSampleId :
 D9G67MS

Tot Ion	Ratio	Resp	Lower	Upper
166	100	148914		
165	97.0	87.6	131.4	
167	14.1	11.1	16.7	

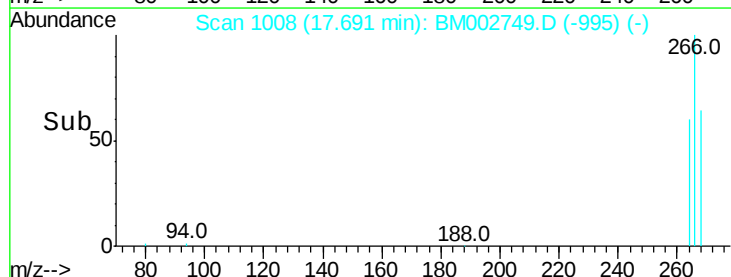
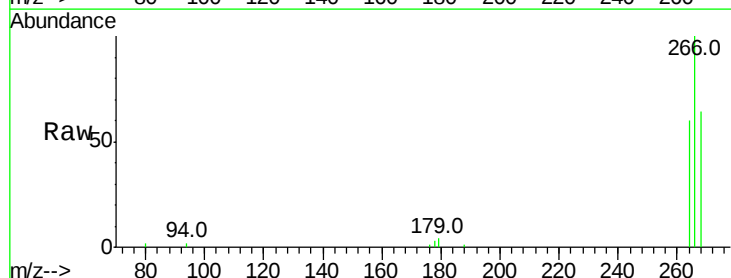
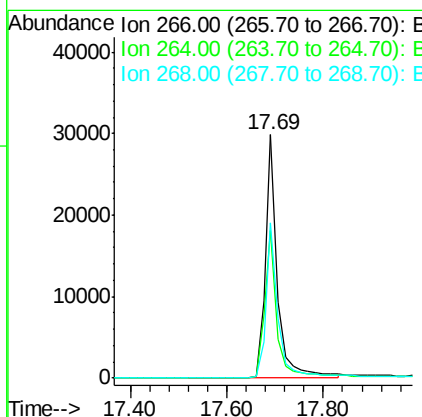
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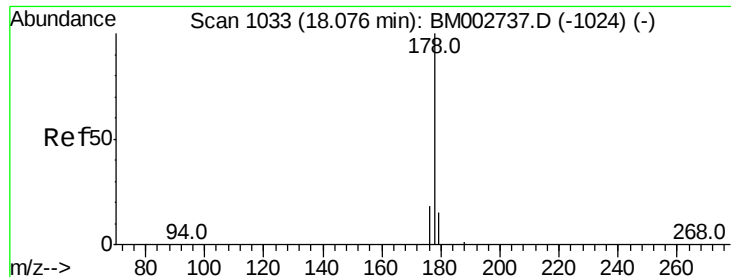
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#13
Pentachlorophenol
 Concen: 7.18 ng/ul
 RT: 17.69 min Scan# 1008
 Delta R.T. 0.00 min
 Lab File: BM002749.D
 Acq: 29 Sep 2015 00:33

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	52102		
264	62.6	53.5	80.3	
268	63.6	54.2	81.2	





#14

Phenanthrene

Concen: 33.06 ng/ul

RT: 18.08 min Scan# 1033

Delta R.T. 0.00 min

Lab File: BM002749.D

Acq: 29 Sep 2015 00:33

Instrument :
BNA_M

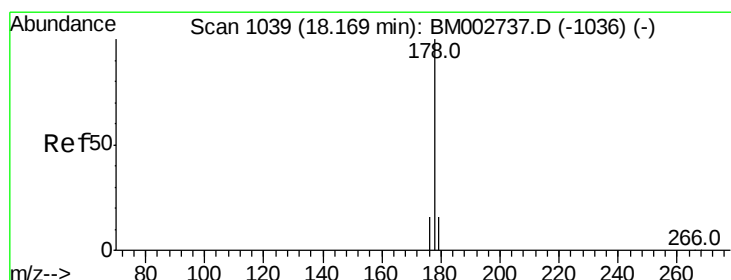
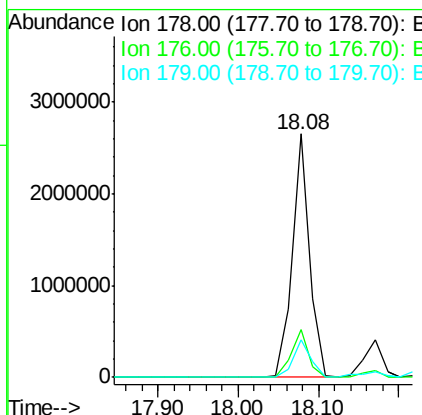
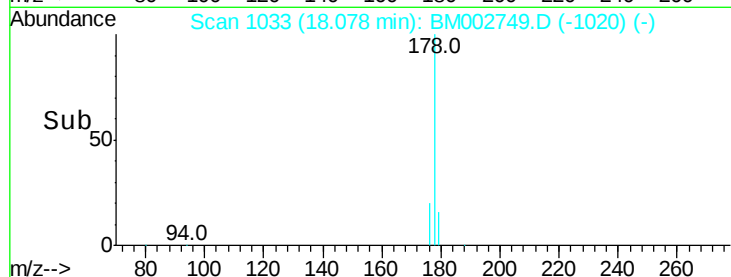
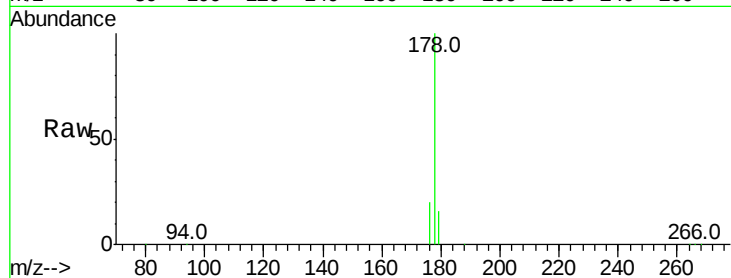
ClientSampleId :
D9G67MS

Tot Ion:178 Resp: 3998398

Ion	Ratio	Lower	Upper
178	100		
176	19.5	16.2	24.4
179	15.6	12.8	19.2

Manual Integrations
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#15

Anthracene

Concen: 5.97 ng/ul

RT: 18.17 min Scan# 1039

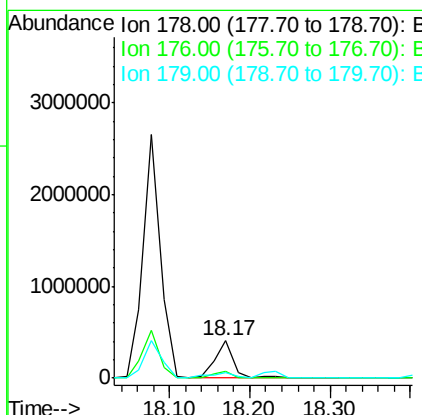
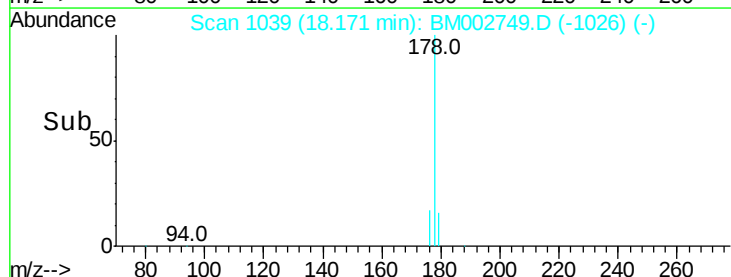
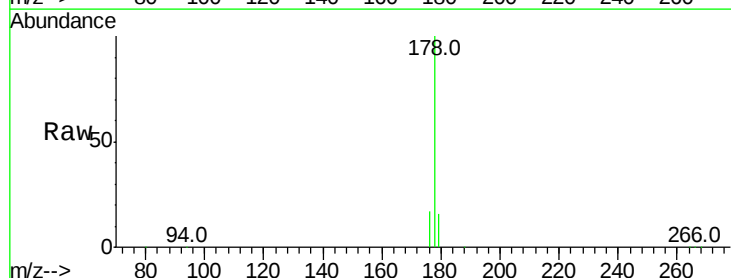
Delta R.T. 0.00 min

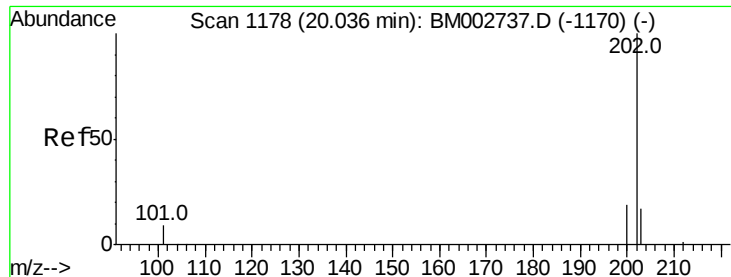
Lab File: BM002749.D

Acq: 29 Sep 2015 00:33

Tgt Ion:178 Resp: 666833

Ion	Ratio	Lower	Upper
178	100		
176	16.9	15.8	23.8
179	16.1	13.3	19.9





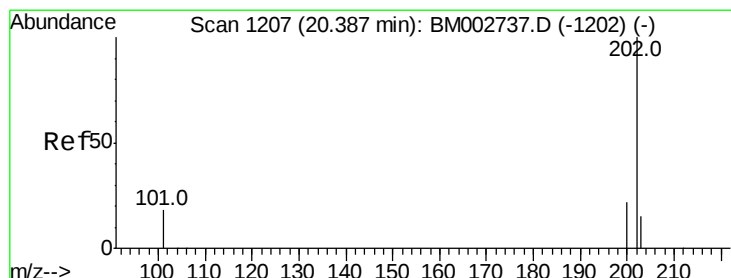
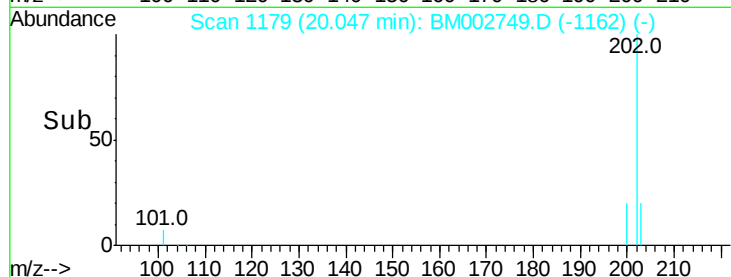
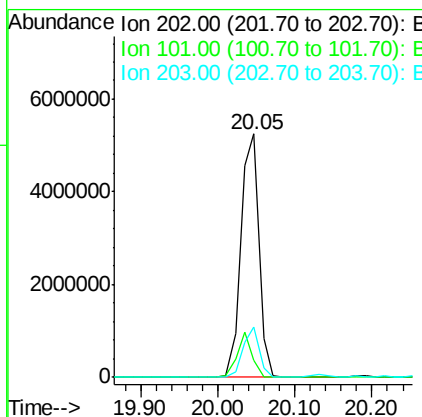
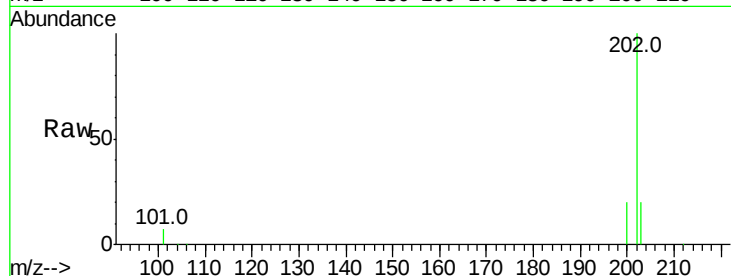
#17
Fluoranthene
Concen: 64.74 ng/ul
RT: 20.05 min Scan# 1179
Delta R.T. 0.01 min
Lab File: BM002749.D
Acq: 29 Sep 2015 00:33

Instrument :
BNA_M
ClientSampleId :
D9G67MS

Tot Ion	Ratio	Lower	Upper
202	100		
101	7.0	0.0	33.1
203	20.5	0.0	37.2

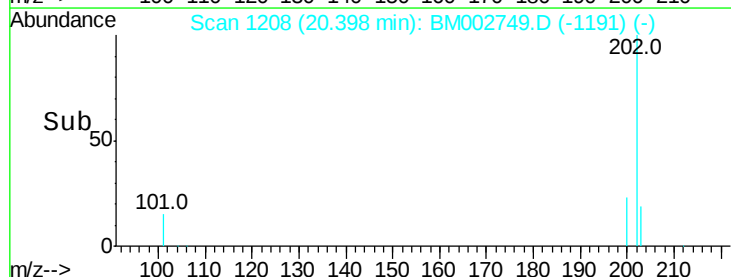
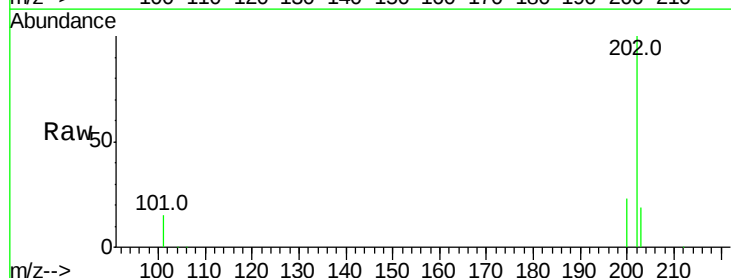
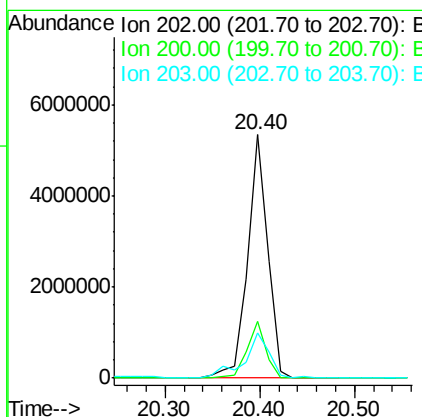
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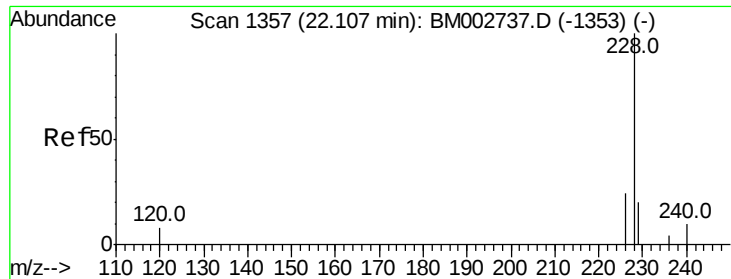
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#19
Pyrene
Concen: 46.80 ng/ul
RT: 20.40 min Scan# 1208
Delta R.T. 0.01 min
Lab File: BM002749.D
Acq: 29 Sep 2015 00:33

Tgt Ion	Ratio	Lower	Upper
202	100		
200	23.2	18.0	27.0
203	18.7	13.8	20.6





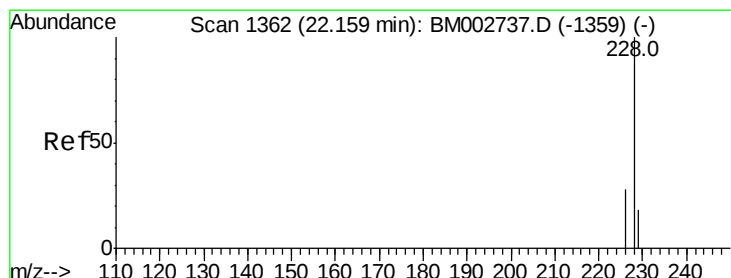
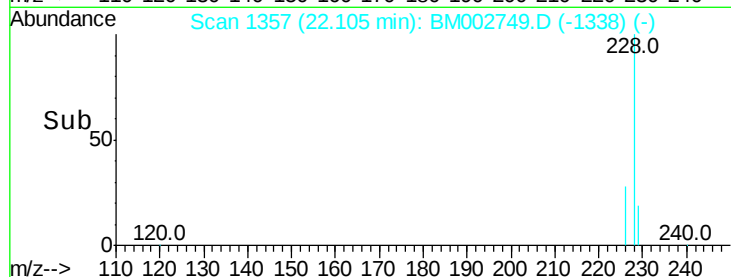
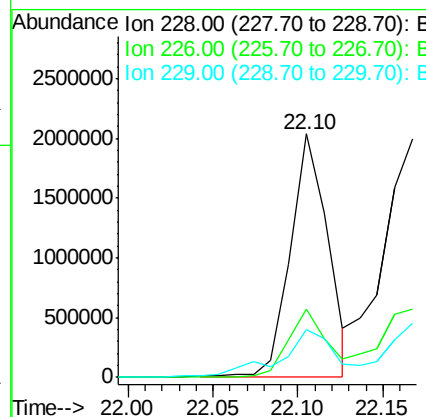
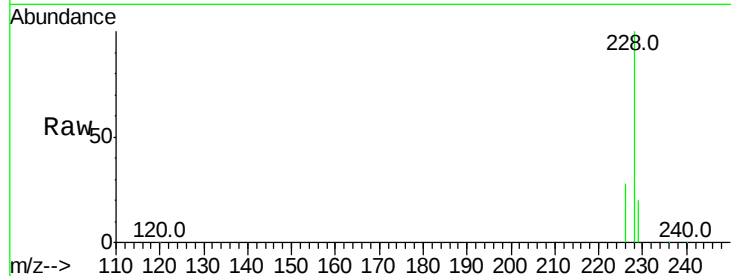
#20
Benzo(a)anthracene
Concen: 21.69 ng/ul m
RT: 22.10 min Scan# 1357
Delta R.T. -0.00 min
Lab File: BM002749.D
Acq: 29 Sep 2015 00:33

Instrument :
BNA_M
ClientSampleId :
D9G67MS

Tot Ion:228 Resp: 3105441
Ion Ratio Lower Upper
228 100
226 28.0 23.0 34.4
229 19.8 15.2 22.8

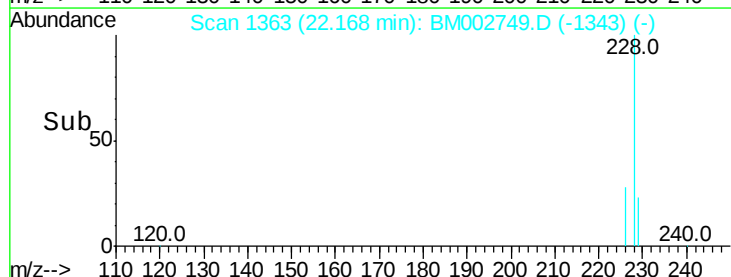
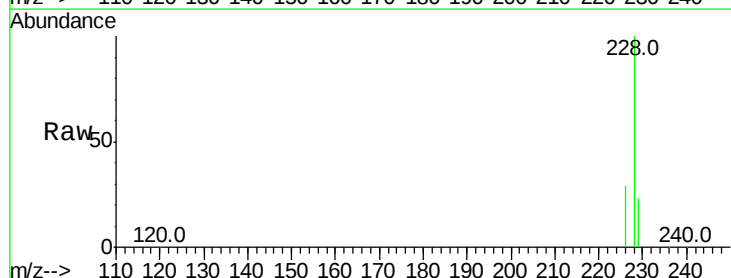
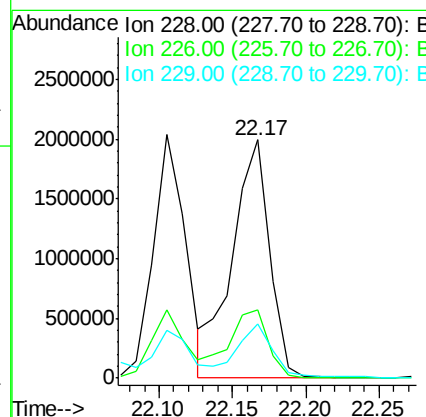
Manual Integrations
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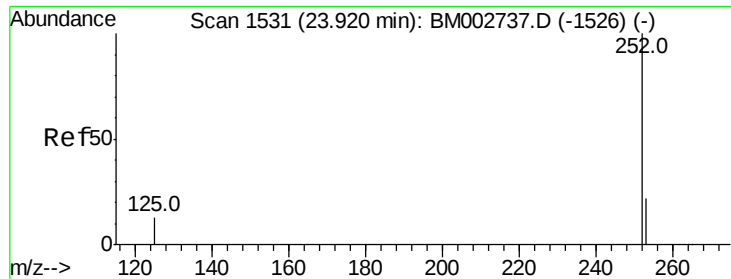
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#21
Chrysene
Concen: 26.06 ng/ul m
RT: 22.17 min Scan# 1363
Delta R.T. 0.01 min
Lab File: BM002749.D
Acq: 29 Sep 2015 00:33

Tgt Ion:228 Resp: 3572116
Ion Ratio Lower Upper
228 100
226 28.5 25.7 38.5
229 22.8 15.2 22.8#





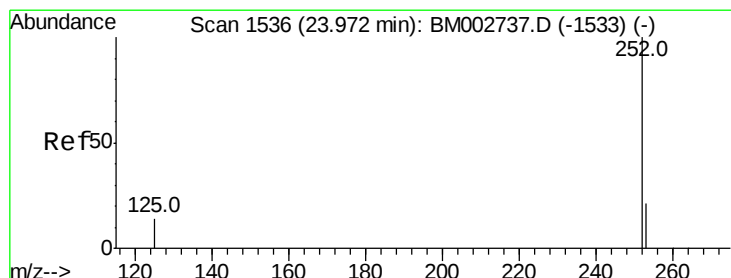
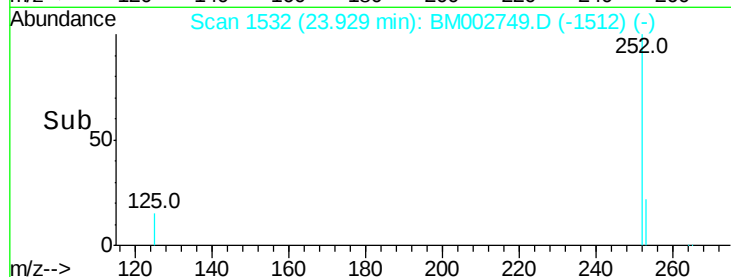
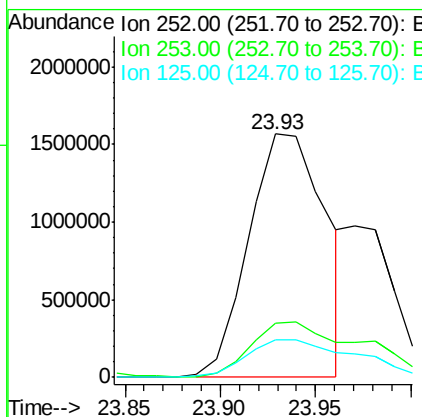
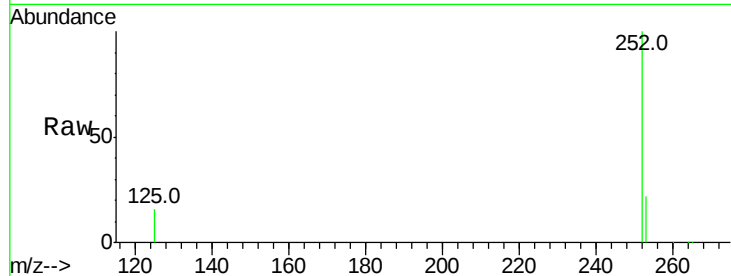
#23
Benzo(b)fluoranthene
Concen: 27.42 ng/ul m
RT: 23.93 min Scan# 1532
Delta R.T. 0.01 min
Lab File: BM002749.D
Acq: 29 Sep 2015 00:33

Instrument :
BNA_M
ClientSampleId :
D9G67MS

Tot Ion:252 Resp: 4408021
Ion Ratio Lower Upper
252 100
253 22.2 0.0 48.0
125 15.5 0.0 36.6

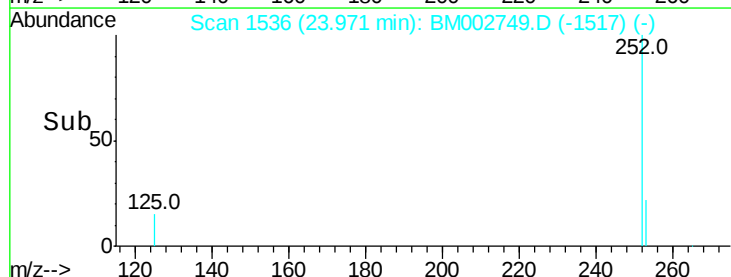
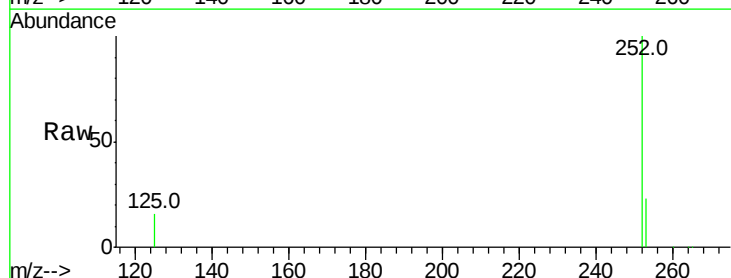
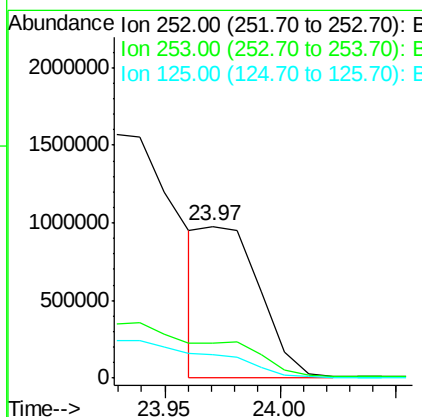
Manual Integrations
APPROVED

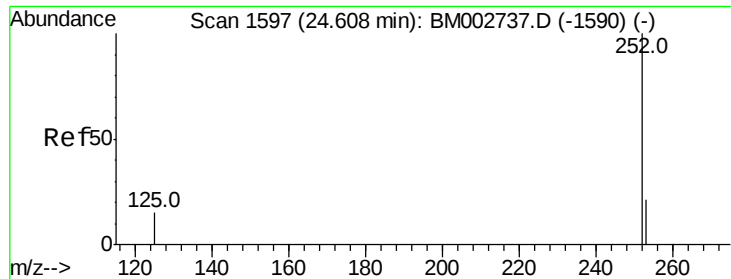
MMDadoda
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#24
Benzo(k)fluoranthene
Concen: 11.28 ng/ul m
RT: 23.97 min Scan# 1536
Delta R.T. -0.00 min
Lab File: BM002749.D
Acq: 29 Sep 2015 00:33

Tgt Ion:252 Resp: 1679801
Ion Ratio Lower Upper
252 100
253 22.8 20.8 31.2
125 15.7 12.2 18.4





#25

Benzo(a)pyrene

Concen: 19.32 ng/ul m

RT: 24.62 min Scan# 1598

Delta R.T. 0.01 min

Lab File: BM002749.D

Acq: 29 Sep 2015 00:33

Instrument :

BNA_M

ClientSampleId :

D9G67MS

Tot Ion:252 Resp: 2860129

Ion Ratio Lower Upper

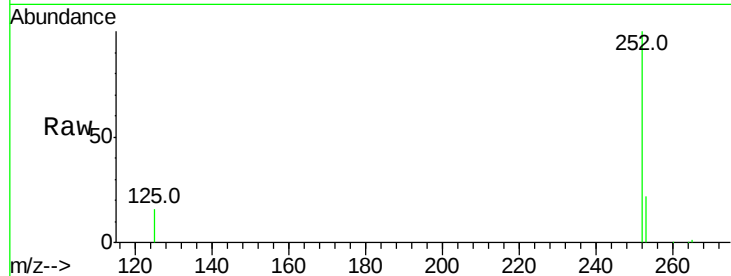
252 100

253 22.3 21.8 32.8

125 16.4 14.5 21.7

Manual Integrations
APPROVED

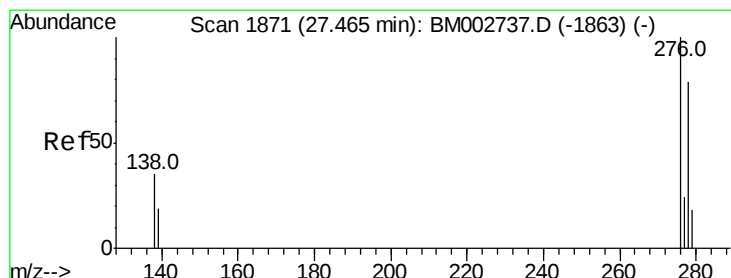
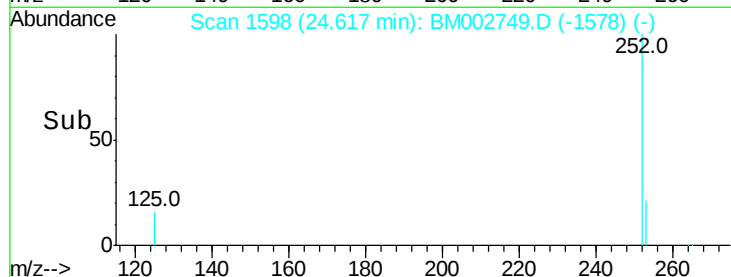
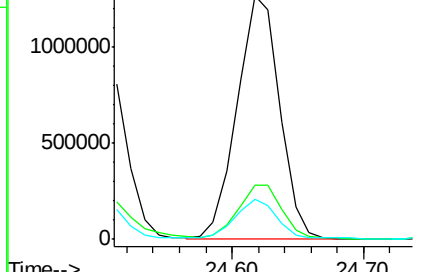
MMDadoda
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Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#26

Indeno(1,2,3-cd)pyrene

Concen: 13.57 ng/ul m

RT: 27.48 min Scan# 1873

Delta R.T. 0.02 min

Lab File: BM002749.D

Acq: 29 Sep 2015 00:33

Tgt Ion:276 Resp: 2239871

Ion Ratio Lower Upper

276 100

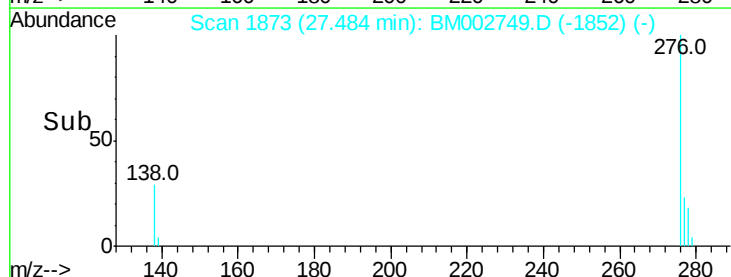
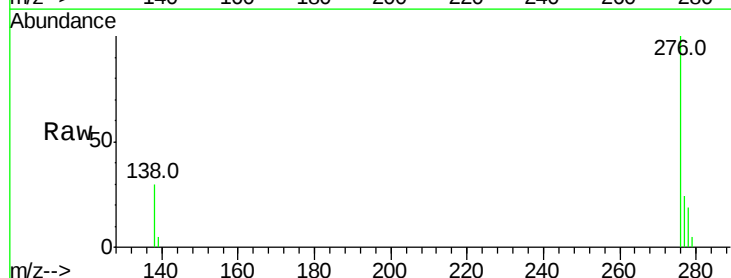
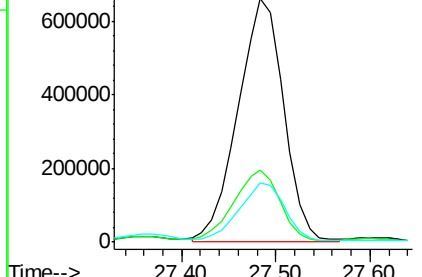
138 0.7 27.5 41.3#

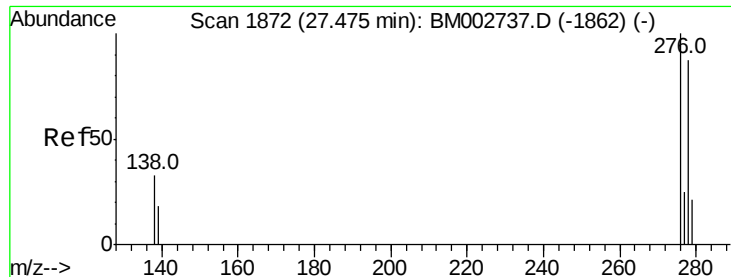
277 1.0 19.3 28.9#

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





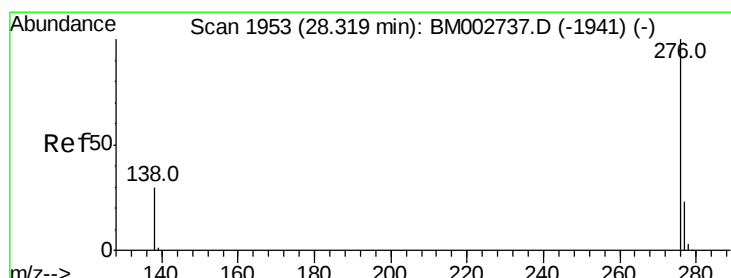
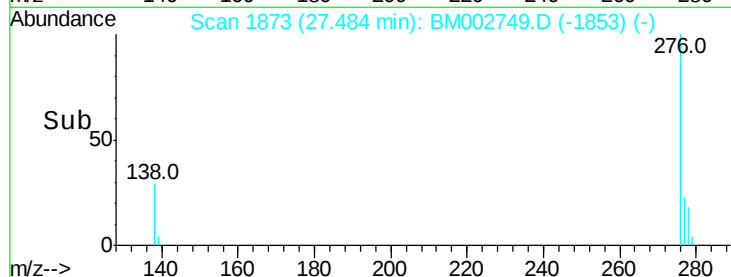
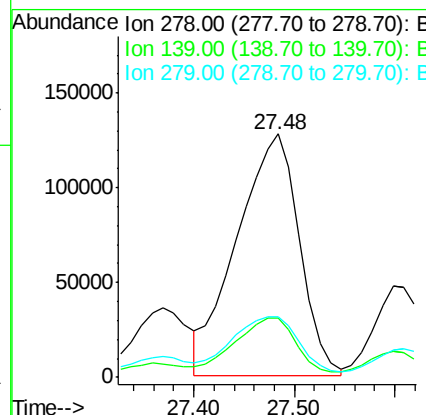
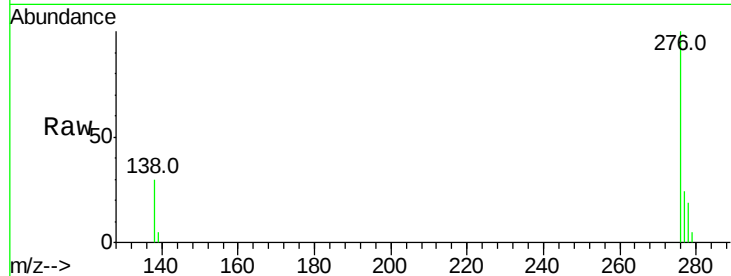
#27
Dibenzo(a,h)anthracene
Concen: 4.08 ng/ul m
RT: 27.48 min Scan# 1873
Delta R.T. 0.01 min
Lab File: BM002749.D
Acq: 29 Sep 2015 00:33

Instrument :
BNA_M
ClientSampleId :
D9G67MS

Tot Ion	Ratio	Lower	Upper
278	100		
139	24.4	21.7	32.5
279	25.1	21.9	32.9

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#28
Benzo(g,h,i)perylene
Concen: 13.32 ng/ul m
RT: 28.35 min Scan# 1956
Delta R.T. 0.03 min
Lab File: BM002749.D
Acq: 29 Sep 2015 00:33

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.7	21.3	31.9
138	30.1	25.5	38.3

