

Data Path : Z:\HPCHEM1\BNA M\DATA\BM112015\
 Data File : BM003228.D
 Acq On : 20 Nov 2015 19:20
 Operator : UM/IZ
 Sample : G4323-31DL 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4J60DL

Manual Integrations
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 11/23/2015 6:58:50 PM

Quant Time: Nov 23 11:02:45 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM111815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Nov 21 04:24:04 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	13437	0.40	ng/ul	0.00
4) Naphthalene-d8	10.53	136	51247	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.38	164	25921	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.12	188	54431	0.40	ng/ul	0.00
18) Chrysene-d12	21.33	240	54395	0.40	ng/ul	0.00
22) Perylene-d12	23.58	264	53483	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.20	96	7773	0.54	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.12	152	2082	0.03	ng/ul	0.00
16) Fluoranthene-d10	19.17	212	3673	0.03	ng/ul	0.00
Target Compounds				Ovalue		
9) Acenaphthylene	14.09	152	5225	0.05	ng/ul#	93
10) Acenaphthene	14.45	153	1720	0.02	ng/ul#	94
11) Fluorene	15.44	166	2579m	0.03	ng/ul	
13) Pentachlorophenol	16.78	266	1013	0.08	ng/ul	96
14) Phenanthrene	17.16	178	48045	0.30	ng/ul#	88
15) Anthracene	17.26	178	8951	0.07	ng/ul	94
17) Fluoranthene	19.19	202	104710	0.60	ng/ul	99
19) Pyrene	19.55	202	96895	0.52	ng/ul	99
20) Benzo(a)anthracene	21.31	228	44991	0.29	ng/ul	95
21) Chrysene	21.36	228	52030	0.29	ng/ul	97
23) Benzo(b)fluoranthene	22.91	252	78432m	0.39	ng/ul	
24) Benzo(k)fluoranthene	22.95	252	20354m	0.11	ng/ul	
25) Benzo(a)pyrene	23.49	252	45638	0.25	ng/ul	95
26) Indeno(1,2,3-cd)pyrene	25.87	276	33281	0.15	ng/ul#	93
27) Dibenzo(a,h)anthracene	25.88	278	8545	0.05	ng/ul#	69
28) Benzo(a,h,i)perylene	26.57	276	31492	0.17	ng/ul	97

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

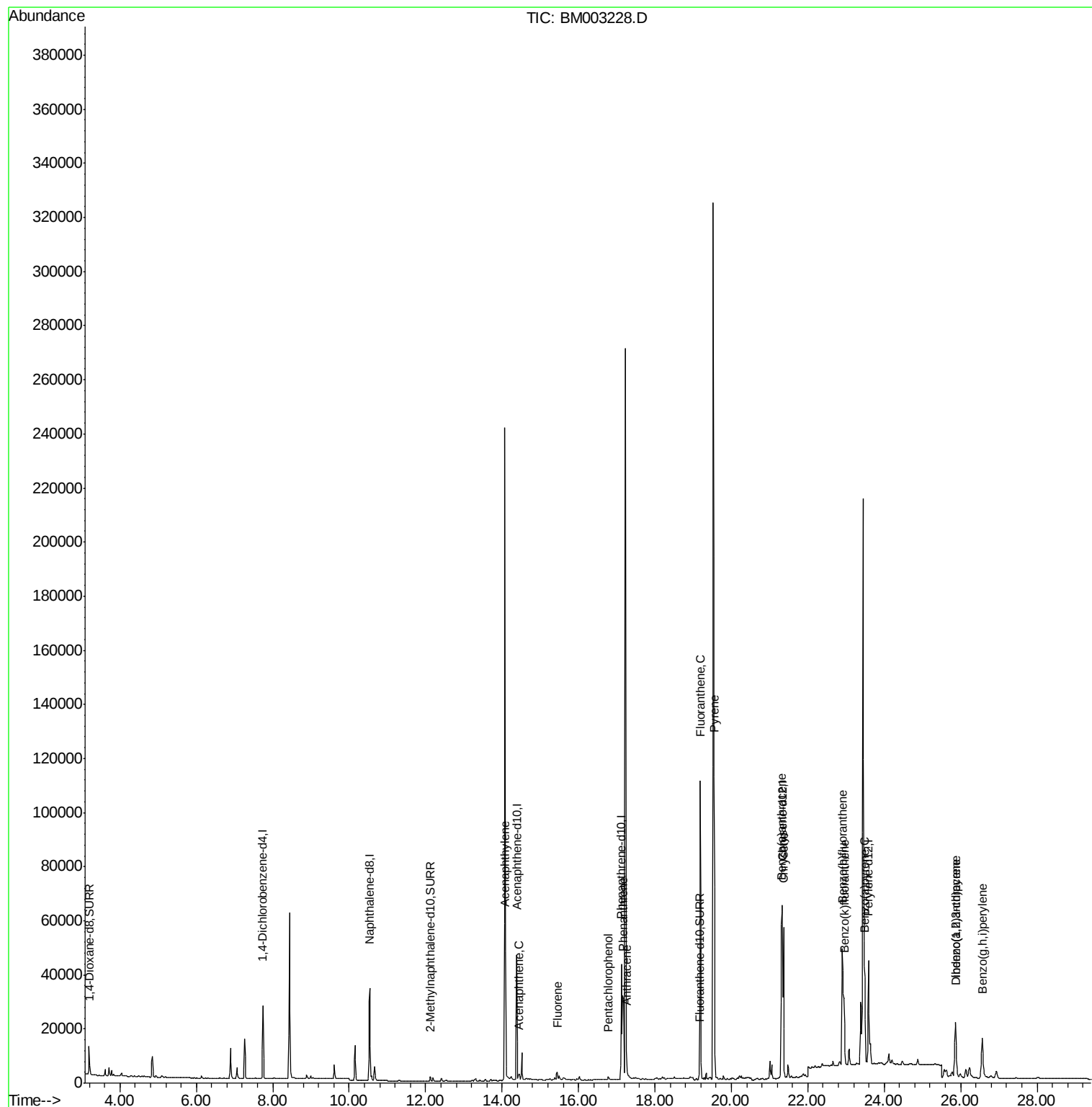
Data Path : Z:\HPCHEM1\BNA M\DATA\BM112015\
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ALS Vial : 13 Sample Multiplier: 1

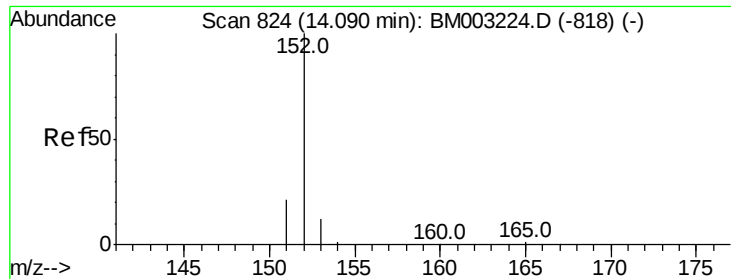
Instrument :
BNA_M
ClientSampleId :
A4J60DL

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Quant Time: Nov 23 11:02:45 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM111815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Nov 21 04:24:04 2015
Response via : Initial Calibration





#9

Acenaphthylene

Concen: 0.05 ng/ul

RT: 14.09 min Scan# 824

Delta R.T. -0.00 min

Lab File: BM003228.D

Acq: 20 Nov 2015 19:20

Instrument :

BNA_M

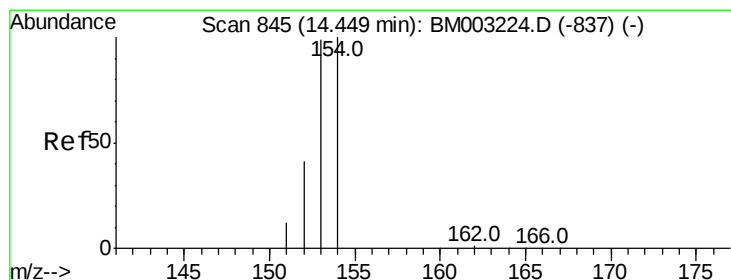
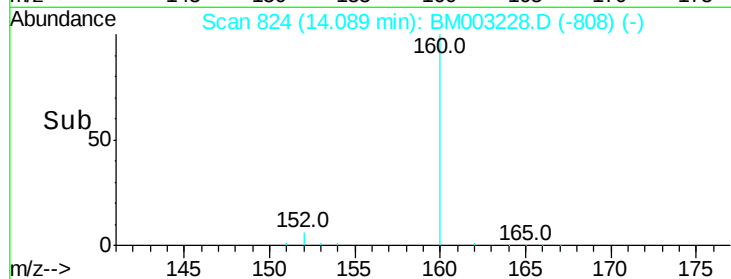
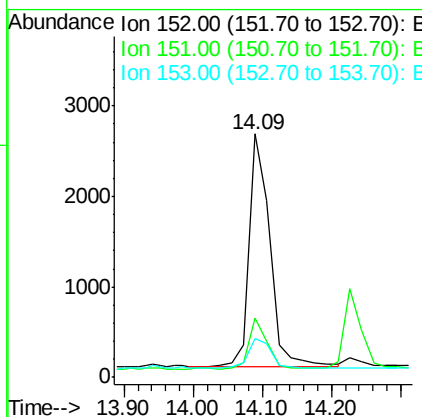
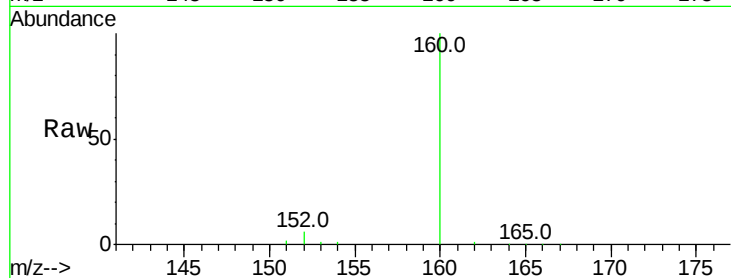
ClientSampleId :

A4J60DL

Tot Ion:	152	Resp:	5225
Ion Ratio	Lower	Upper	
152	100		
151	24.4	17.6	26.4
153	16.1	9.7	14.5#

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#10

Acenaphthene

Concen: 0.02 ng/ul

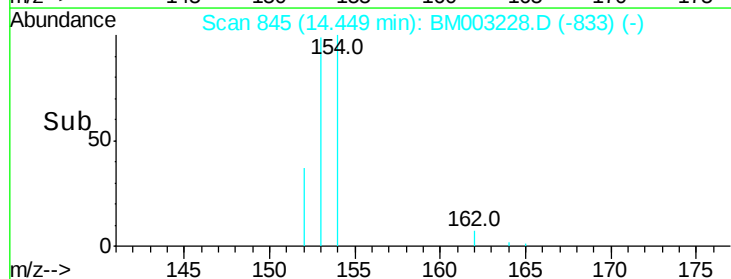
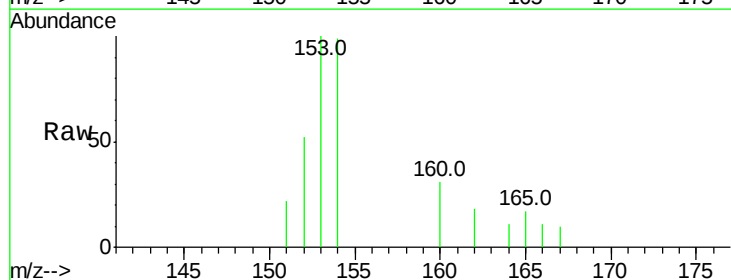
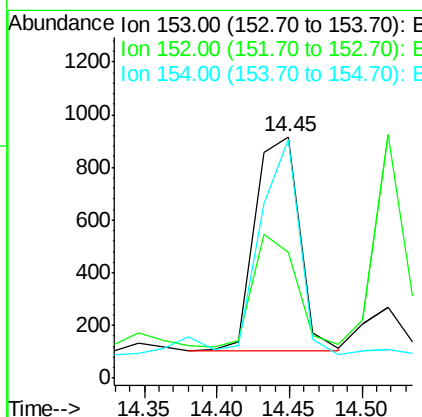
RT: 14.45 min Scan# 845

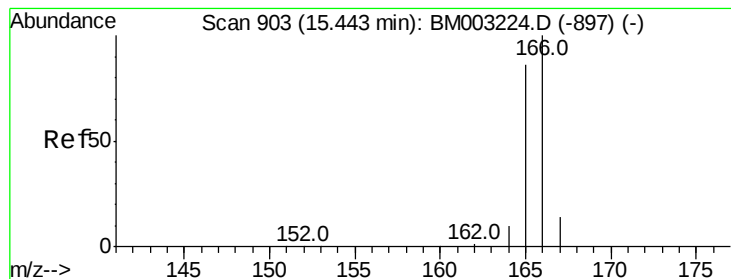
Delta R.T. -0.00 min

Lab File: BM003228.D

Acq: 20 Nov 2015 19:20

Tgt Ion:	153	Resp:	1720
Ion Ratio	Lower	Upper	
153	100		
152	52.0	33.9	50.9#
154	98.7	80.6	121.0





#11

Fluorene

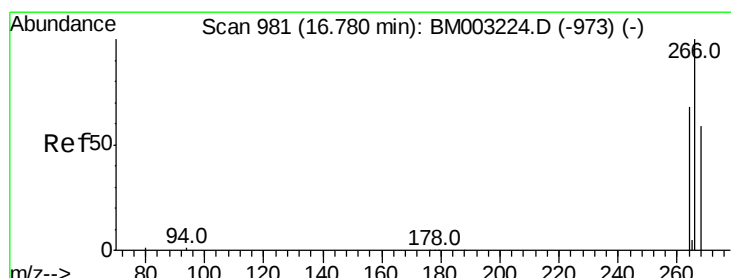
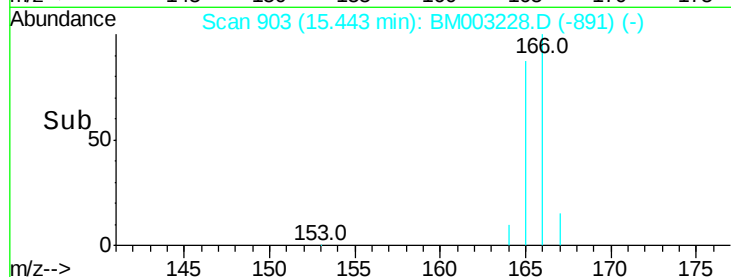
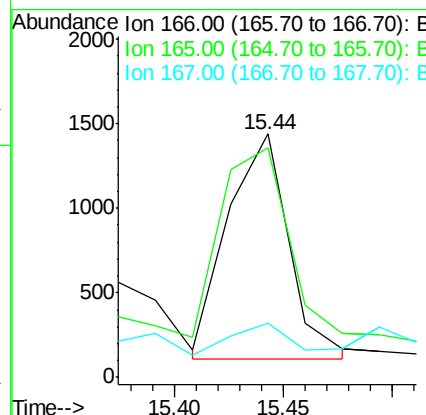
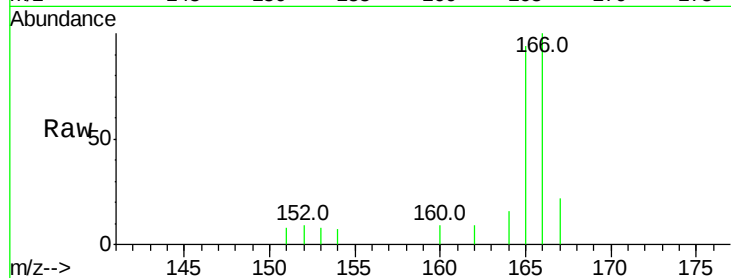
Concen: 0.03 ng/ul m
RT: 15.44 min Scan# 903
Delta R.T. -0.00 min
Lab File: BM003228.D
Acq: 20 Nov 2015 19:20

Instrument :
BNA_M
ClientSampleId :
A4J60DL

Tot Ion	Ratio	Lower	Upper
166	100		
165	94.0	69.6	104.4
167	22.1	11.9	17.9

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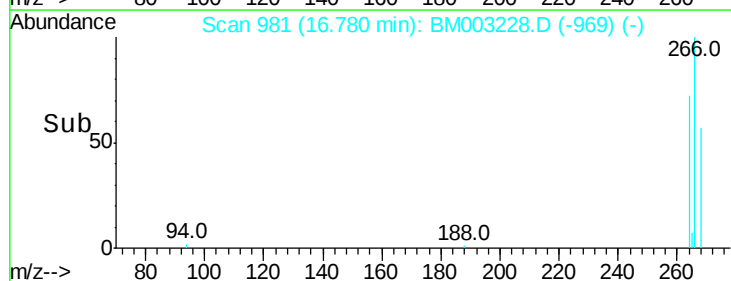
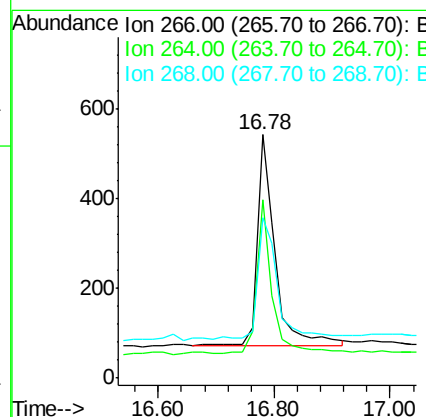
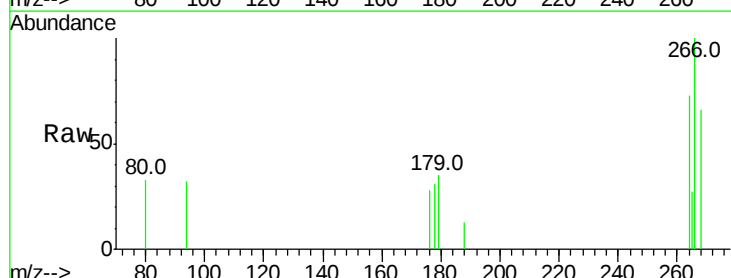


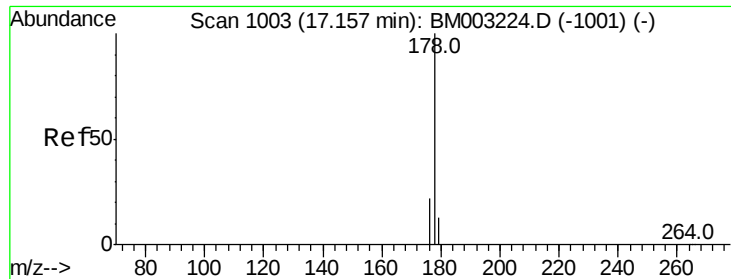
#13

Pentachlorophenol

Concen: 0.08 ng/ul
RT: 16.78 min Scan# 981
Delta R.T. -0.00 min
Lab File: BM003228.D
Acq: 20 Nov 2015 19:20

Tgt Ion	Ratio	Lower	Upper
266	100		
264	61.3	51.8	77.8
268	61.2	46.8	70.2





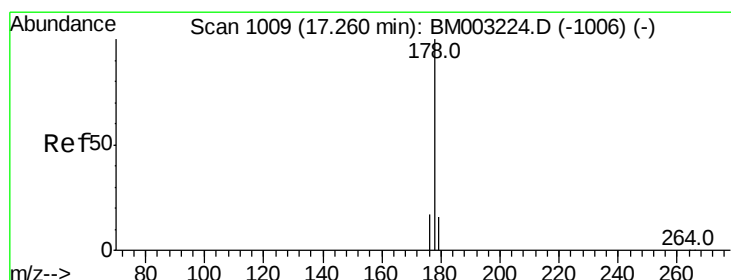
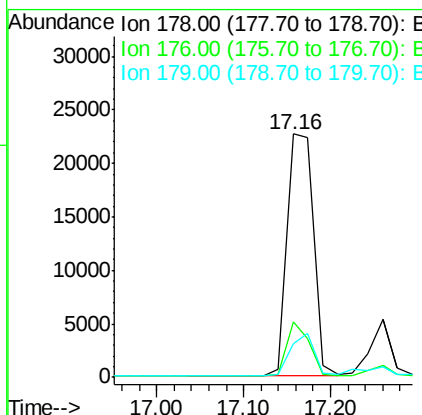
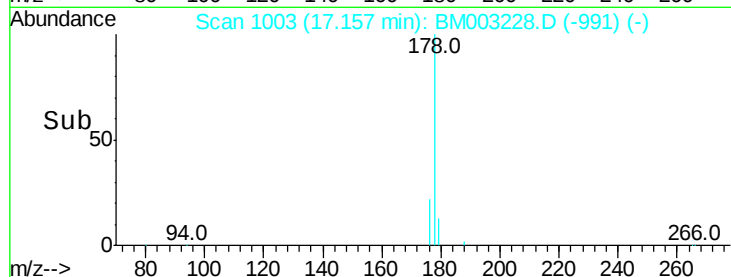
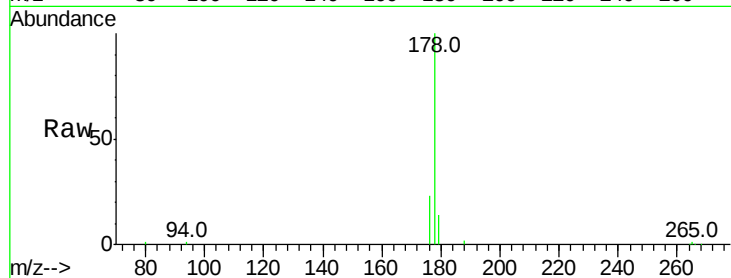
#14
Phenanthrene
Concen: 0.30 ng/ul
RT: 17.16 min Scan# 1003
Delta R.T. -0.00 min
Lab File: BM003228.D
Acq: 20 Nov 2015 19:20

Instrument :
BNA_M
ClientSampleId :
A4J60DL

Tot Ion:178 Resp: 48045
Ion Ratio Lower Upper
178 100
176 22.5 13.0 19.4#
179 13.7 14.2 21.2#

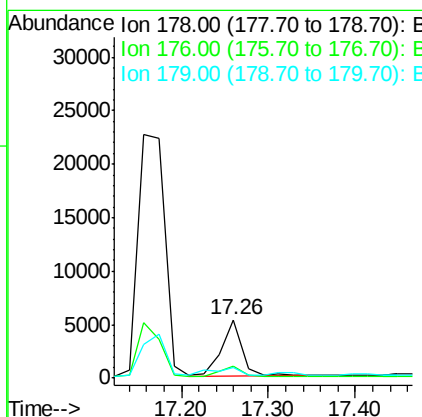
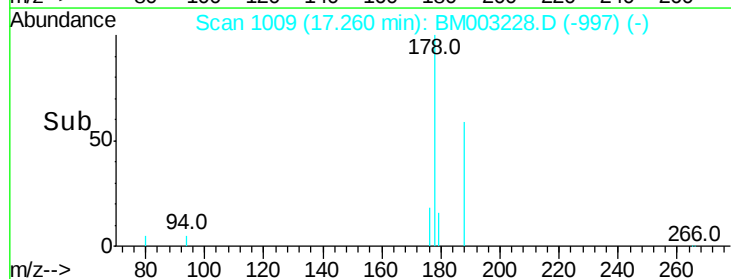
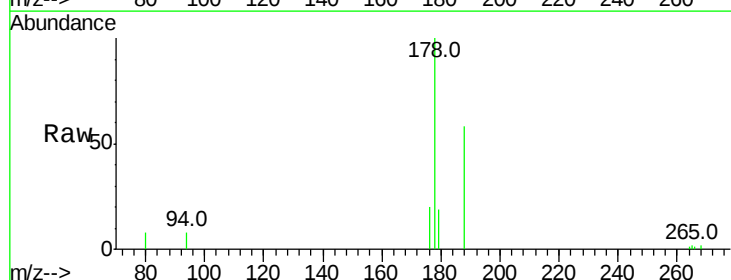
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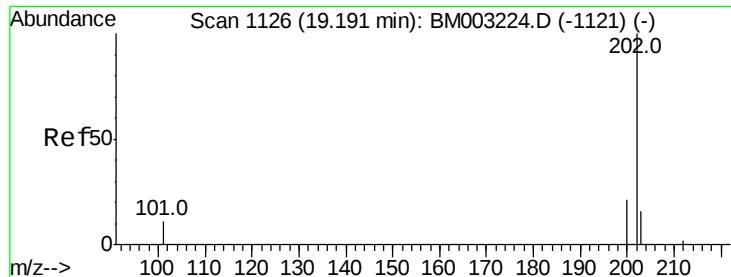
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#15
Anthracene
Concen: 0.07 ng/ul
RT: 17.26 min Scan# 1009
Delta R.T. -0.00 min
Lab File: BM003228.D
Acq: 20 Nov 2015 19:20

Tgt Ion:178 Resp: 8951
Ion Ratio Lower Upper
178 100
176 19.6 14.0 21.0
179 18.9 12.9 19.3





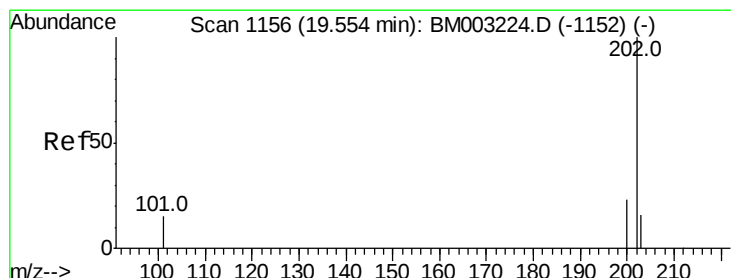
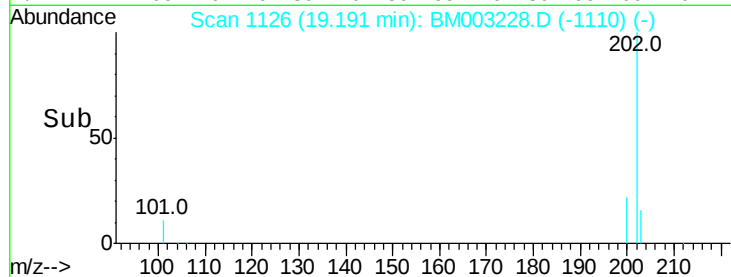
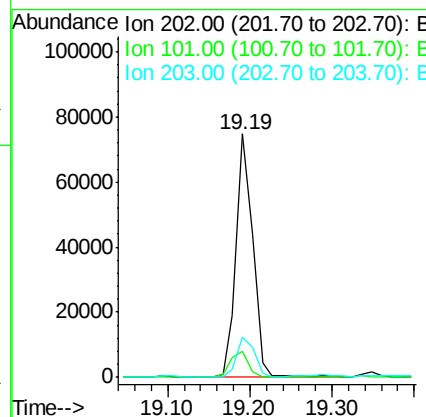
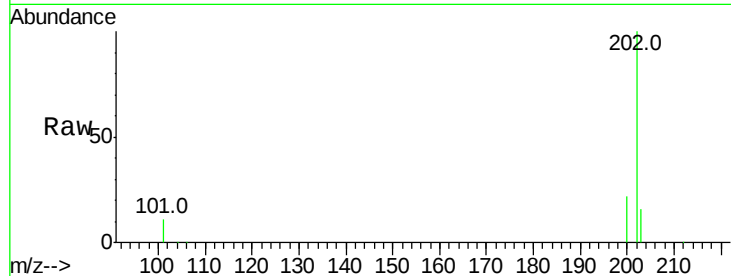
#17
Fluoranthene
Concen: 0.60 ng/ul
RT: 19.19 min Scan# 1126
Delta R.T. -0.00 min
Lab File: BM003228.D
Acq: 20 Nov 2015 19:20

Instrument :
BNA_M
ClientSampleId :
A4J60DL

Tot Ion	Ratio	Resp	Lower	Upper
202	100	104710		
101	10.8	0.0	29.6	
203	16.3	0.0	36.3	

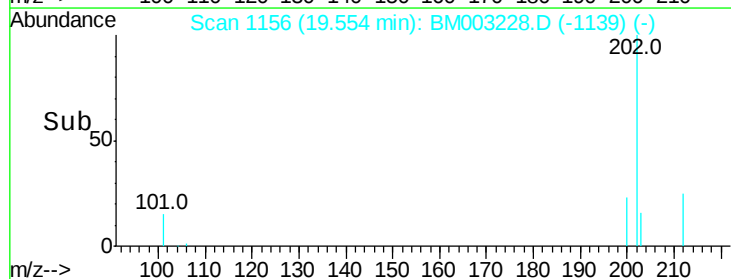
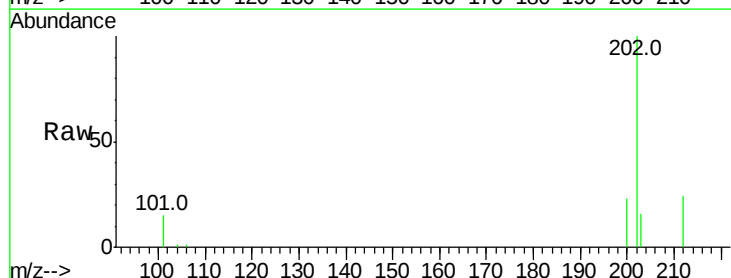
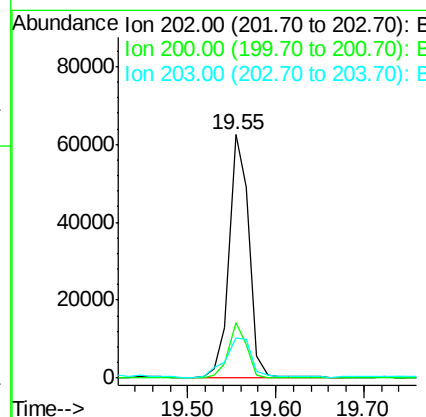
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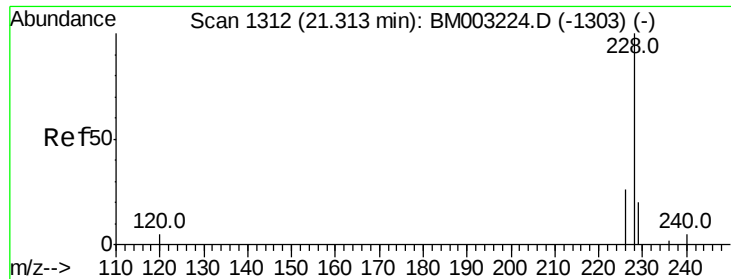
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#19
Pyrene
Concen: 0.52 ng/ul
RT: 19.55 min Scan# 1156
Delta R.T. -0.00 min
Lab File: BM003228.D
Acq: 20 Nov 2015 19:20

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	96895		
200	22.9	17.8	26.8	
203	16.5	12.8	19.2	





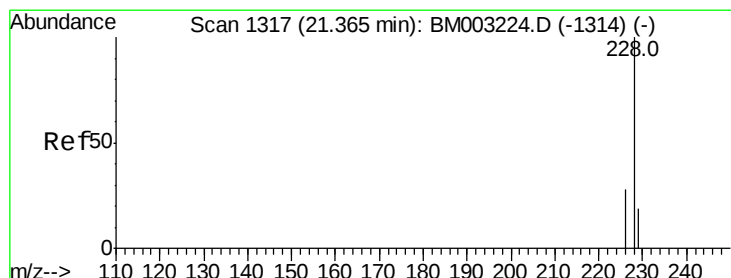
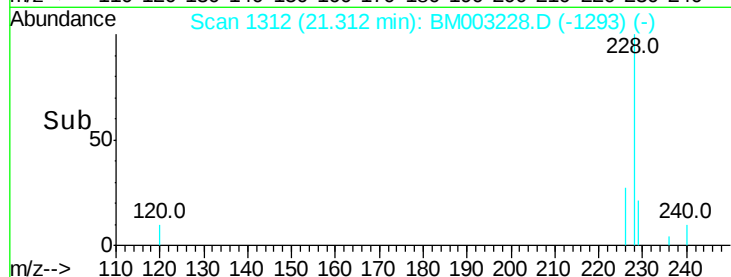
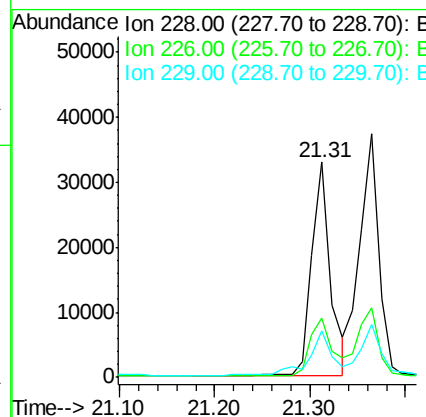
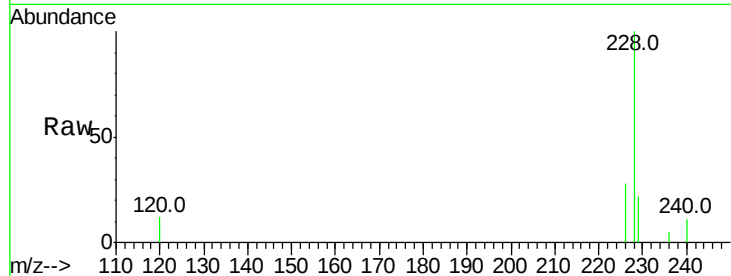
#20
Benzo(a)anthracene
Concen: 0.29 ng/ul
RT: 21.31 min Scan# 1312
Delta R.T. -0.00 min
Lab File: BM003228.D
Acq: 20 Nov 2015 19:20

Instrument :
BNA_M
ClientSampleId :
A4J60DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.7	18.8	28.2
229	21.8	17.1	25.7

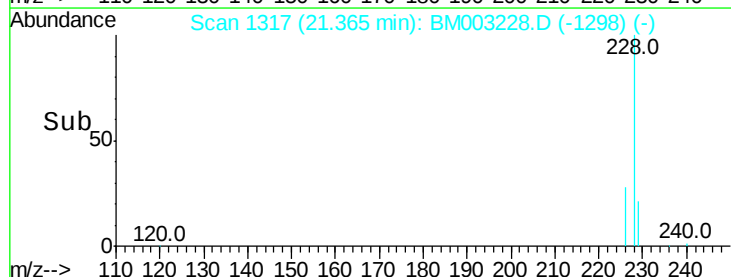
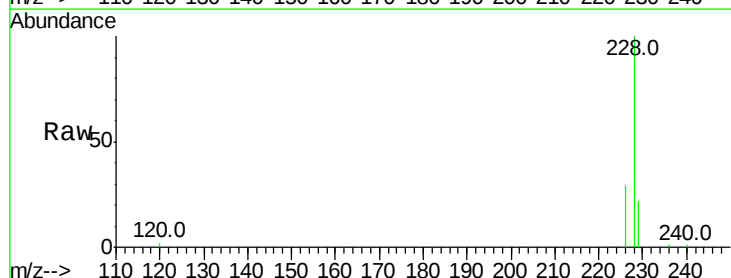
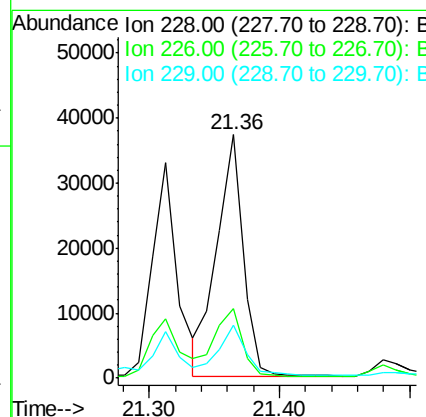
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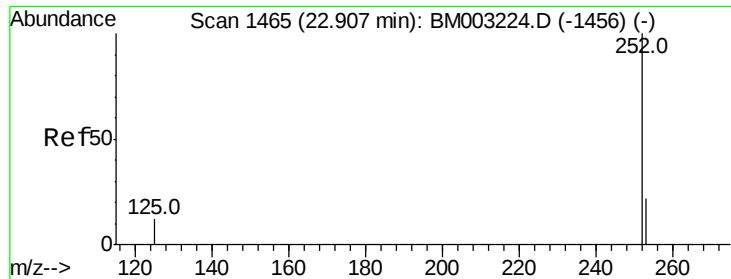
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#21
Chrysene
Concen: 0.29 ng/ul
RT: 21.36 min Scan# 1317
Delta R.T. -0.00 min
Lab File: BM003228.D
Acq: 20 Nov 2015 19:20

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.6	21.2	31.8
229	21.8	17.0	25.6





#23

Benzo(b)fluoranthene

Concen: 0.39 ng/ul m

RT: 22.91 min Scan# 1465

Delta R.T. -0.00 min

Lab File: BM003228.D

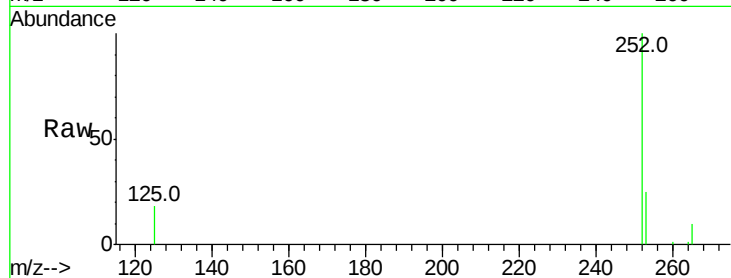
Acq: 20 Nov 2015 19:20

Instrument :

BNA_M

ClientSampleId :

A4J60DL



Tot Ion:252 Resp: 78432

Ion Ratio Lower Upper

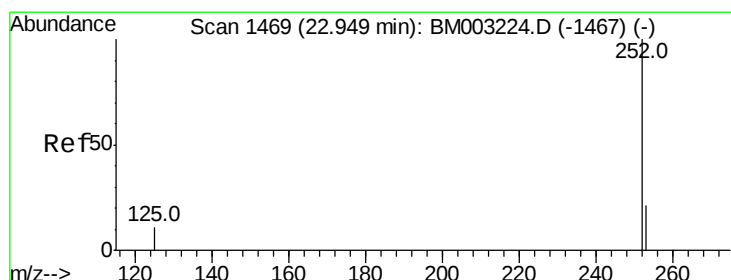
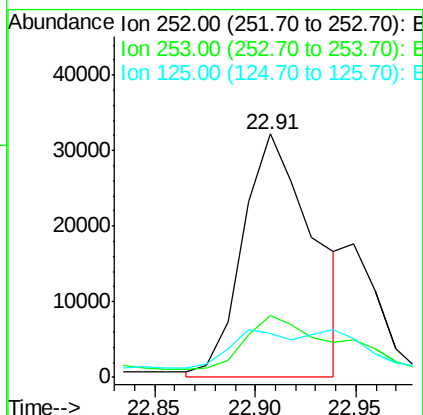
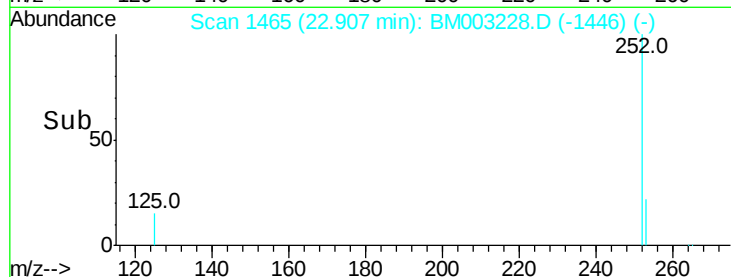
252 100

253 25.3 0.0 45.4

125 18.3 0.0 28.8

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#24

Benzo(k)fluoranthene

Concen: 0.11 ng/ul m

RT: 22.95 min Scan# 1469

Delta R.T. -0.00 min

Lab File: BM003228.D

Acq: 20 Nov 2015 19:20

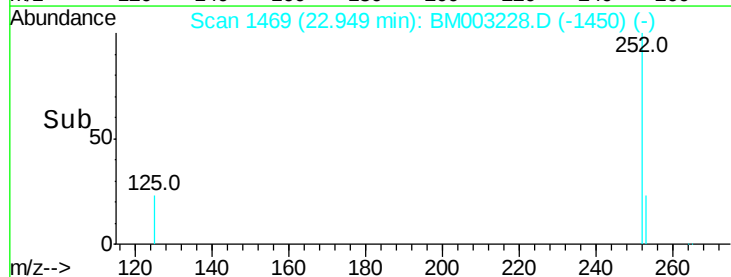
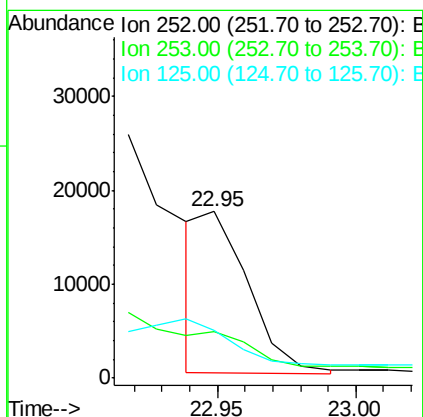
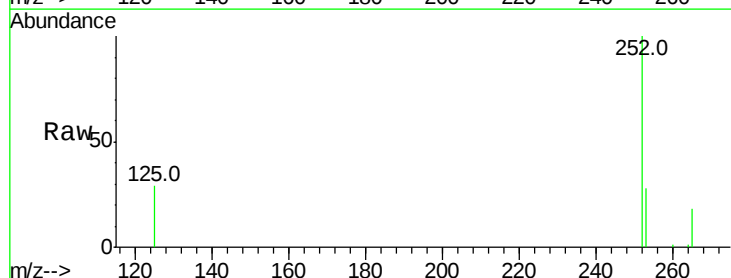
Tgt Ion:252 Resp: 20354

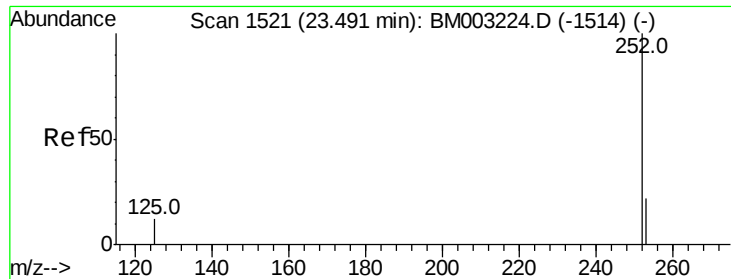
Ion Ratio Lower Upper

252 100

253 28.3 19.8 29.8

125 28.6 10.4 15.6#





#25

Benzo(a)pyrene

Concen: 0.25 ng/ul

RT: 23.49 min Scan# 1521

Delta R.T. -0.00 min

Lab File: BM003228.D

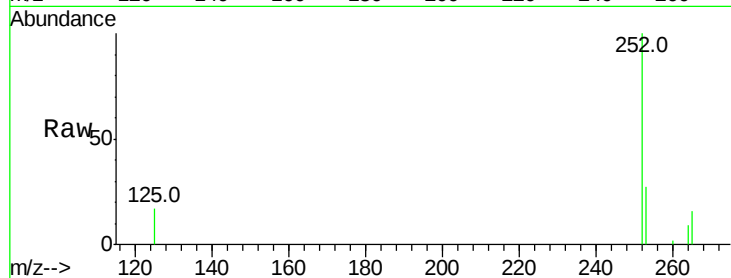
Acq: 20 Nov 2015 19:20

Instrument :

BNA_M

ClientSampleId :

A4J60DL



Tot Ion:252 Resp: 45638

Ion Ratio Lower Upper

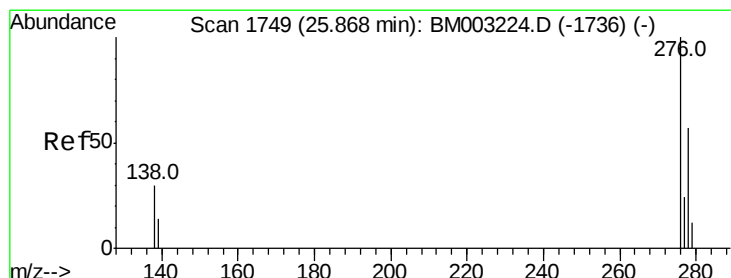
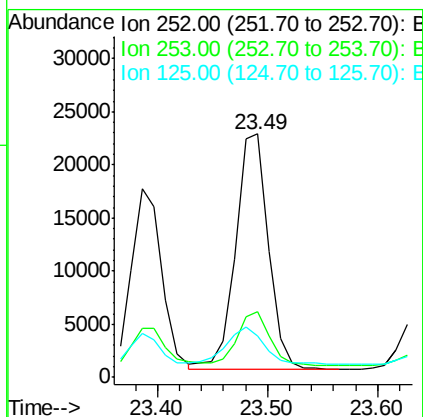
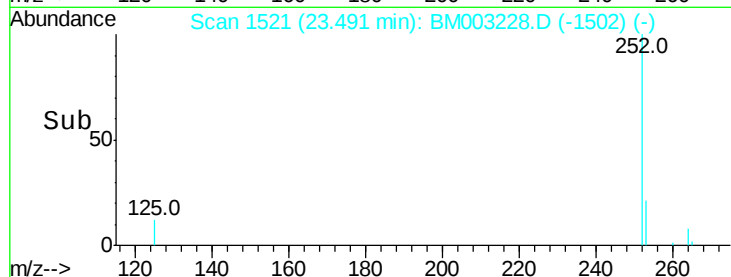
252 100

253 27.0 19.4 29.2

125 17.2 12.7 19.1

Manual Integrations
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#26

Indeno(1,2,3-cd)pyrene

Concen: 0.15 ng/ul

RT: 25.87 min Scan# 1749

Delta R.T. -0.00 min

Lab File: BM003228.D

Acq: 20 Nov 2015 19:20

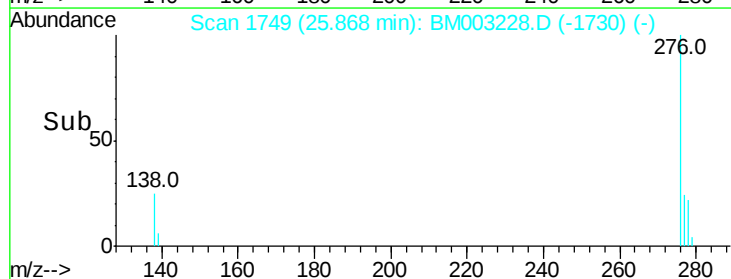
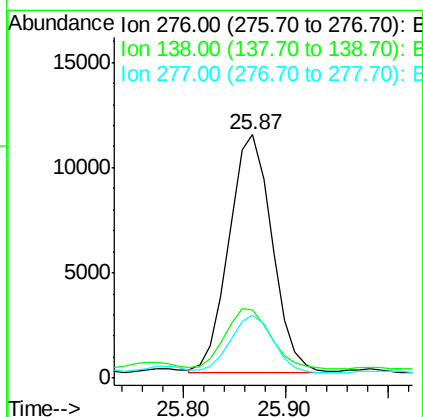
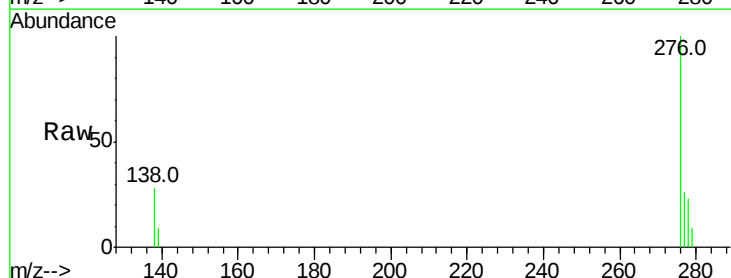
Tgt Ion:276 Resp: 33281

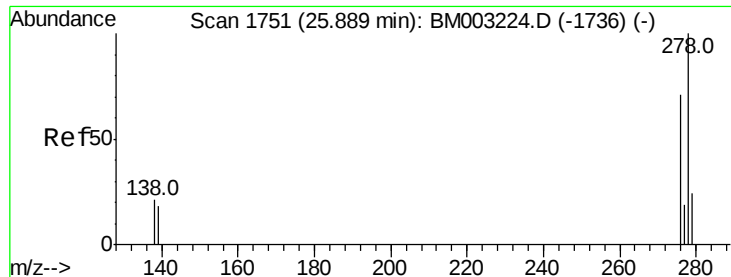
Ion Ratio Lower Upper

276 100

138 26.6 16.3 24.5#

277 24.1 19.8 29.8





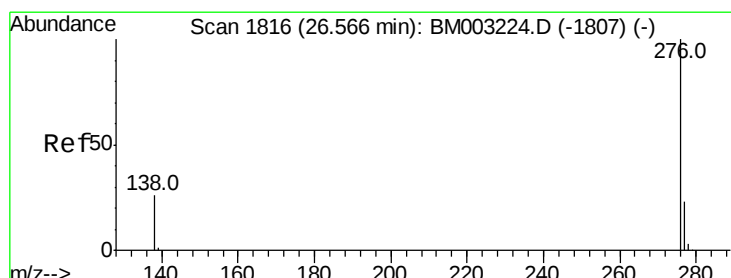
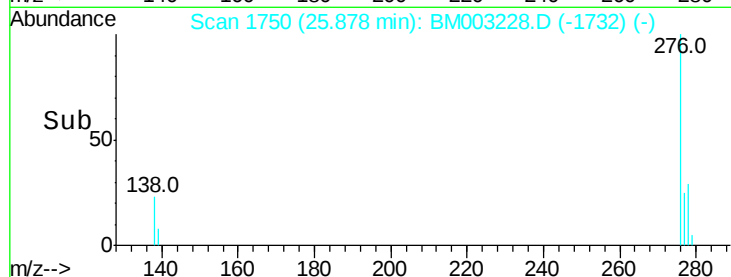
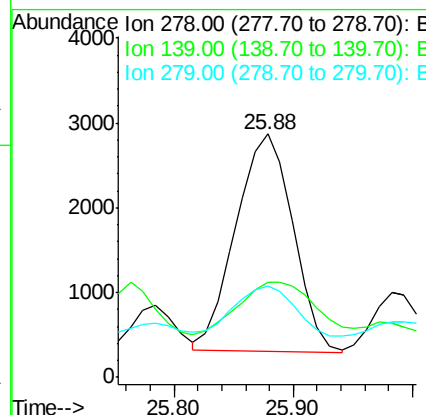
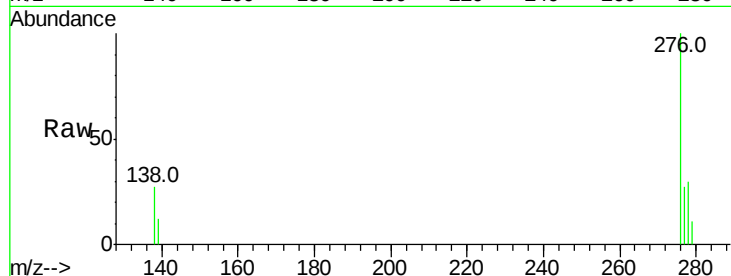
#27
Dibenzo(a,h)anthracene
Concen: 0.05 ng/ul
RT: 25.88 min Scan# 1750
Delta R.T. -0.01 min
Lab File: BM003228.D
Acq: 20 Nov 2015 19:20

Instrument :
BNA_M
ClientSampleId :
A4J60DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	38.8	16.4	24.6#
279	37.7	20.2	30.2#

Manual Integrations
APPROVED

Mmdadoda
11/23/2015 6:58:50 PM



#28
Benzo(g,h,i)perylene
Concen: 0.17 ng/ul
RT: 26.57 min Scan# 1816
Delta R.T. -0.00 min
Lab File: BM003228.D
Acq: 20 Nov 2015 19:20

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.5	18.9	28.3
138	28.9	22.5	33.7

