

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121615\
 Data File : BM003591.D
 Acq On : 16 Dec 2015 23:19
 Operator : UM/IZ
 Sample : G4767-15
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9N37

Manual Integrations
 APPROVED

MMdadoda
 12/17/2015 5:36:17 PM

Quant Time: Dec 17 08:04:21 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM121515.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 17 02:56:38 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.71	152	4478	0.40	ng/ul	0.00
4) Naphthalene-d8	10.54	136	12238	0.40	ng/ul	0.04
8) Acenaphthene-d10	14.43	164	221277	0.40	ng/ul	0.07
12) Phenanthrene-d10	16.97	188	26337m	0.40	ng/ul	-0.14
18) Chrysene-d12	21.29	240	16730	0.40	ng/ul	-0.02
22) Perylene-d12	23.60	264	28660	0.40	ng/ul	0.03
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.17	96	9462	4.94	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.11	152	6230	0.42	ng/ul	0.01
16) Fluoranthene-d10	19.11	212	492477	8.81	ng/ul	-0.04
Target Compounds						
					Ovalue	
5) Naphthalene	10.66	128	73053561	2649.74	ng/ul#	82
7) 2-Methylnaphthalene	12.26	142	33022417	1784.15	ng/ul	95
9) Acenaphthylene	14.11	152	9981022	11.81	ng/ul#	93
10) Acenaphthene	14.54	153	47587118	69.85	ng/ul#	86
11) Fluorene	15.53	166	37550897	49.72	ng/ul	90
13) Pentachlorophenol	16.92	266	1276m	0.34	ng/ul	
14) Phenanthrene	17.33	178	84728466m	1247.29	ng/ul	
15) Anthracene	17.36	178	8534310m	145.23	ng/ul	
17) Fluoranthene	19.30	202	51555914	698.88	ng/ul	88
19) Pyrene	19.65	202	39113444	866.04	ng/ul#	81
20) Benzo(a)anthracene	21.34	228	16593115	406.23	ng/ul#	84
21) Chrysene	21.40	228	13138543m	280.74	ng/ul	
23) Benzo(b)fluoranthene	22.93	252	11371610m	116.25	ng/ul	
24) Benzo(k)fluoranthene	22.96	252	3177903m	35.84	ng/ul	
25) Benzo(a)pyrene	23.50	252	6533155	79.18	ng/ul	96
26) Indeno(1,2,3-cd)pyrene	25.86	276	2395331	25.04	ng/ul#	96
27) Dibenzo(a,h)anthracene	25.86	278	659619	8.56	ng/ul	96
28) Benzo(a,h,i)perylene	26.56	276	2009601	24.14	ng/ul	97

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

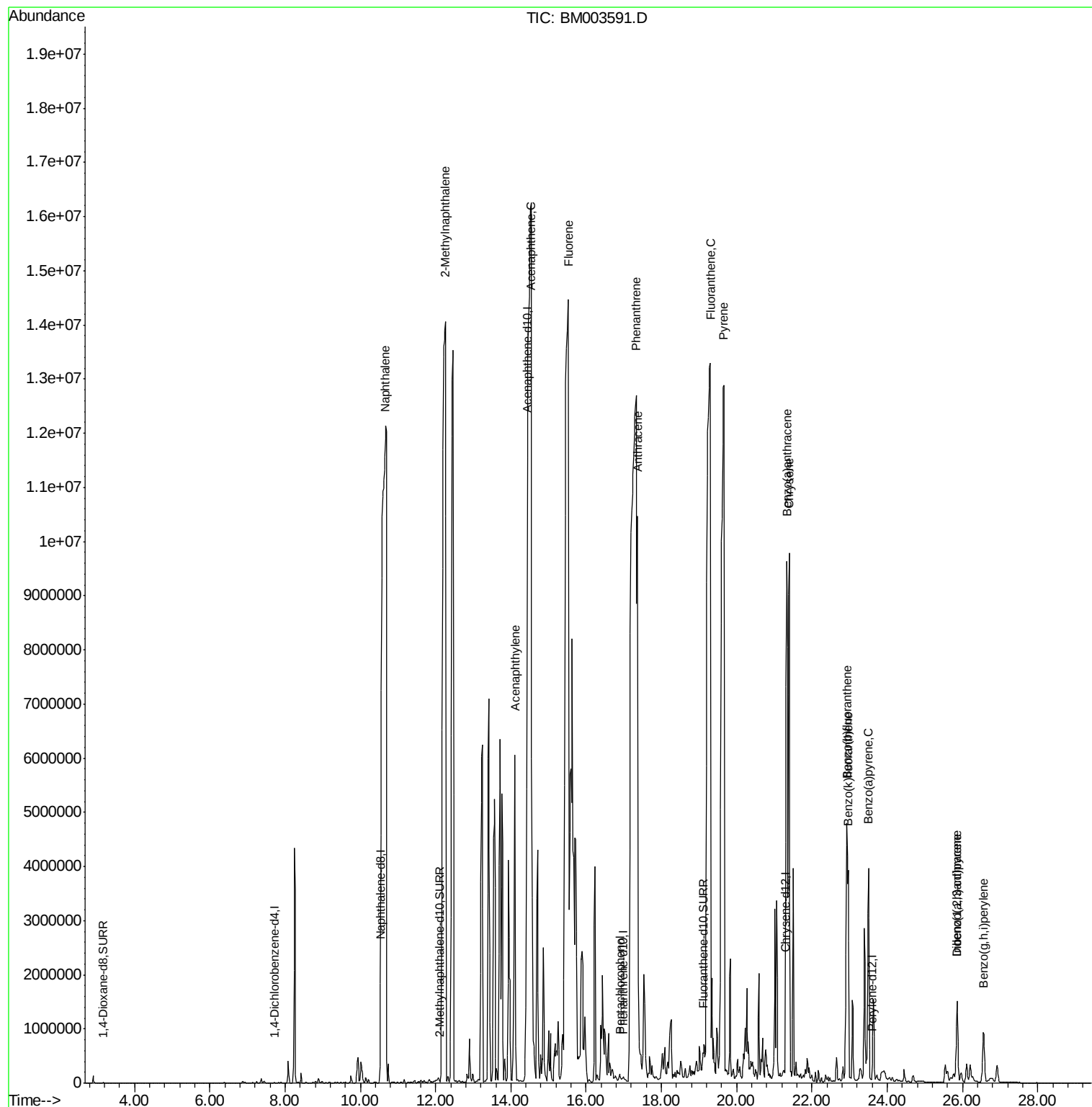
Data Path : Z:\HPCHEM1\BNA M\DATA\BM121615\
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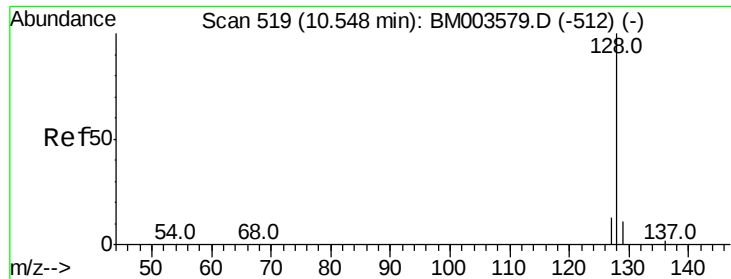
Instrument :
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#5

Naphthalene

Concen: 2649.74 ng/ul

RT: 10.66 min Scan# 528

Delta R.T. 0.11 min

Lab File: BM003591.D

Acq: 16 Dec 2015 23:19

Instrument :

BNA_M

ClientSampleId :

D9N37

Tot Ion:128 Resp:73053561

Ion Ratio Lower Upper

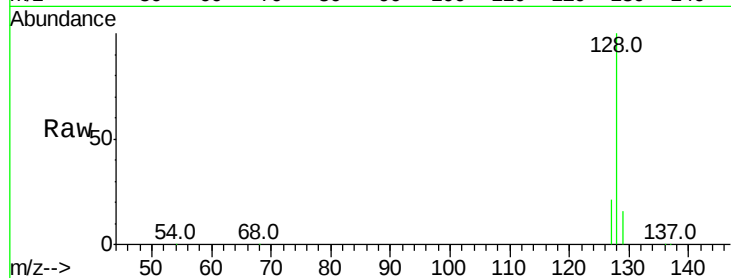
128 100

129 16.2 9.0 13.6#

127 20.5 9.6 14.4#

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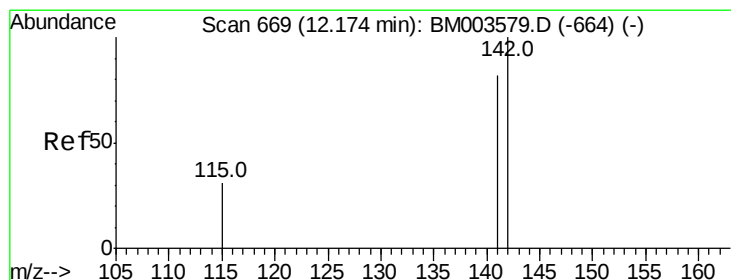
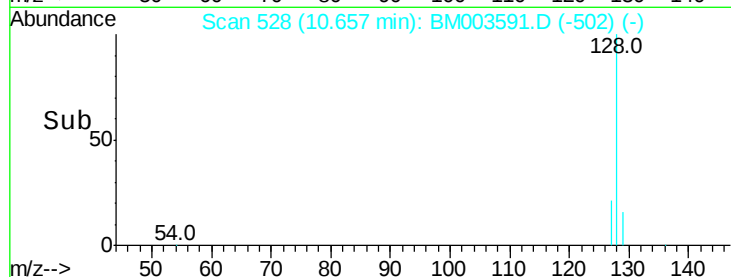
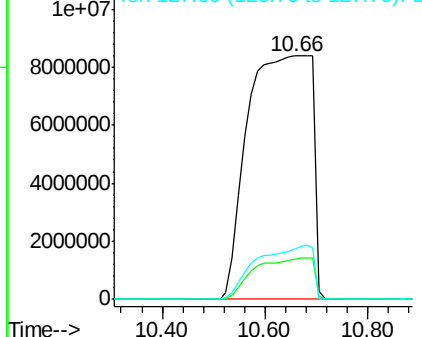
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#7

2-Methylnaphthalene

Concen: 1784.15 ng/ul

RT: 12.26 min Scan# 677

Delta R.T. 0.08 min

Lab File: BM003591.D

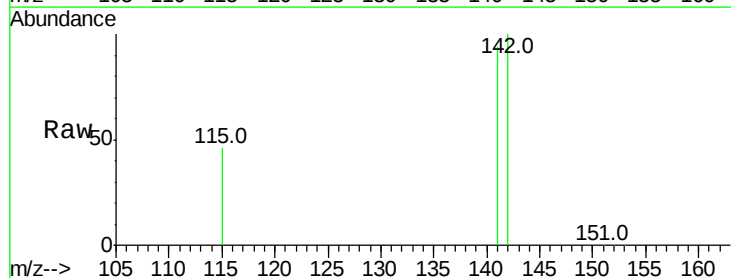
Acq: 16 Dec 2015 23:19

Tgt Ion:142 Resp:33022417

Ion Ratio Lower Upper

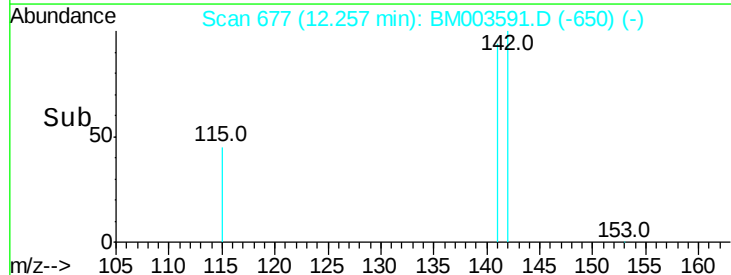
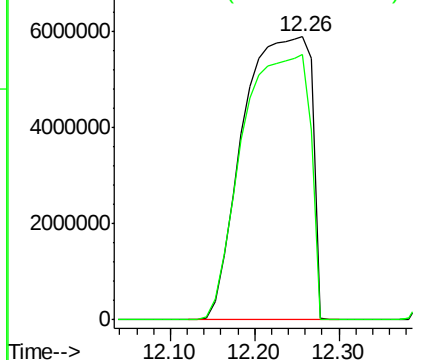
142 100

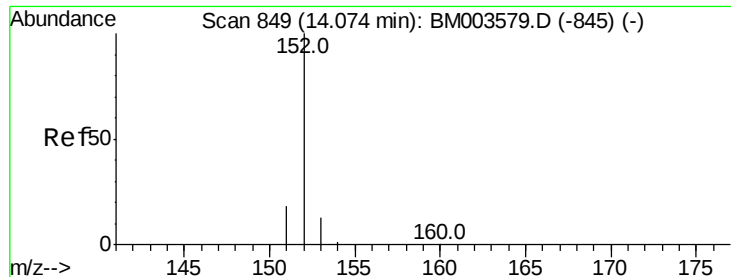
141 92.1 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 11.81 ng/ul

RT: 14.11 min Scan# 851

Delta R.T. 0.03 min

Lab File: BM003591.D

Acq: 16 Dec 2015 23:19

Instrument :

BNA_M

ClientSampleId :

D9N37

Tot Ion:152 Resp: 9981022

Ion Ratio Lower Upper

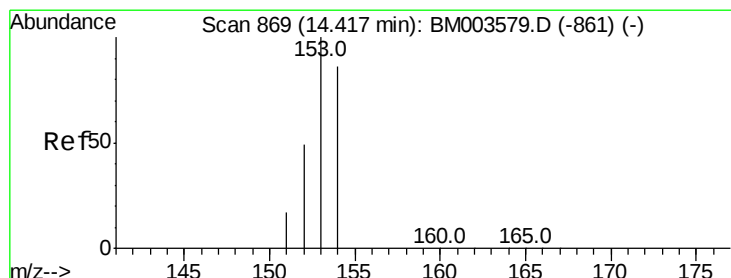
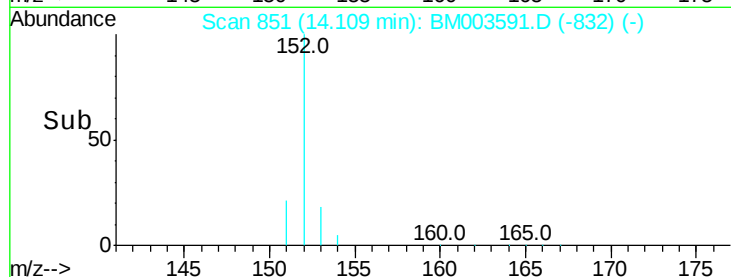
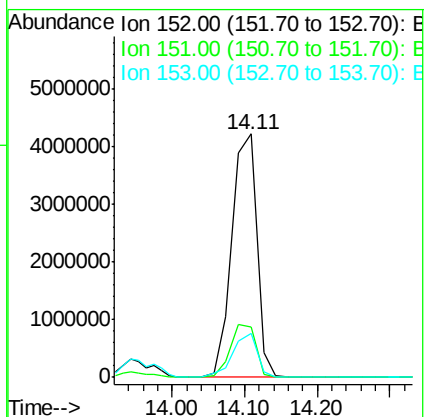
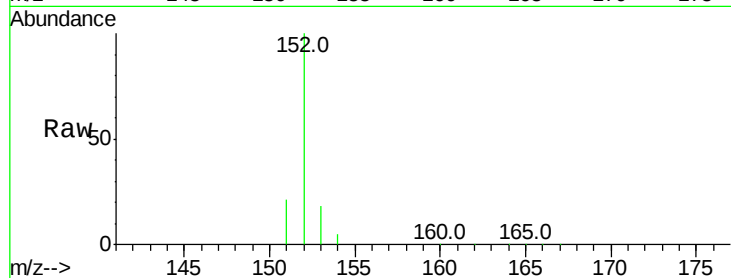
152 100

151 20.6 17.6 26.4

153 17.8 9.7 14.5#

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#10

Acenaphthene

Concen: 69.85 ng/ul

RT: 14.54 min Scan# 876

Delta R.T. 0.12 min

Lab File: BM003591.D

Acq: 16 Dec 2015 23:19

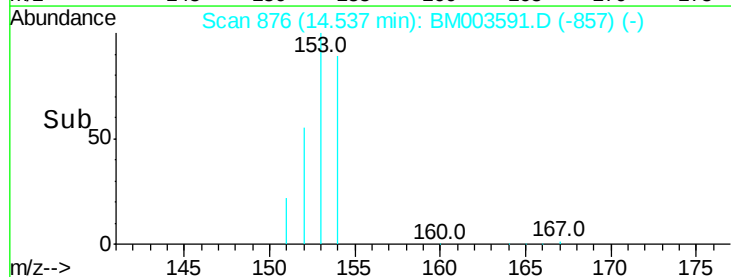
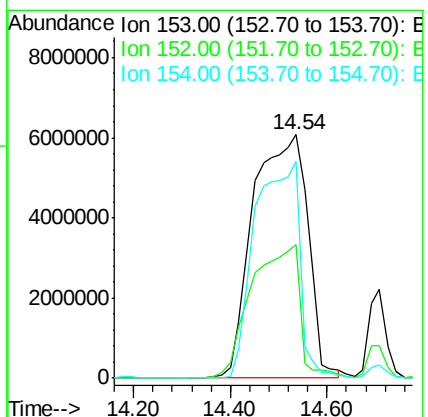
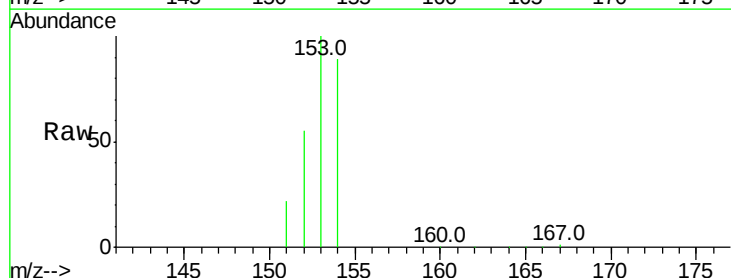
Tgt Ion:153 Resp:47587118

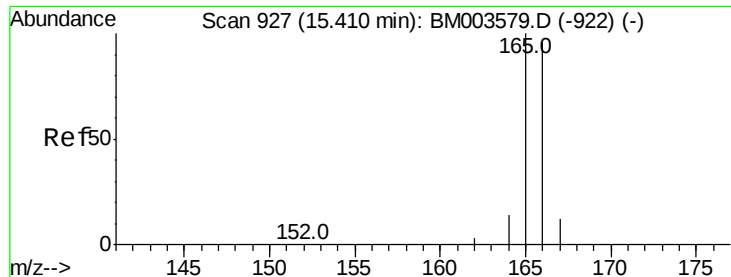
Ion Ratio Lower Upper

153 100

152 54.7 33.9 50.9#

154 89.2 80.6 121.0





#11
Fluorene
 Concen: 49.72 ng/ul
 RT: 15.53 min Scan# 934
 Delta R.T. 0.12 min
 Lab File: BM003591.D
 Acq: 16 Dec 2015 23:19

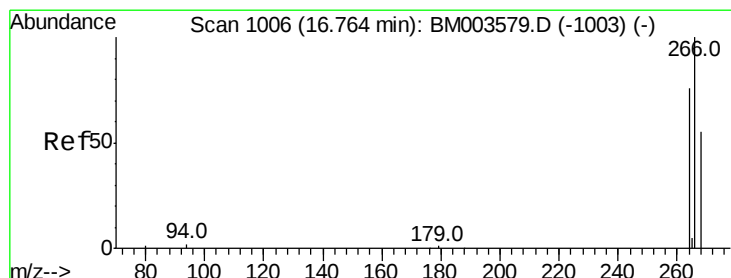
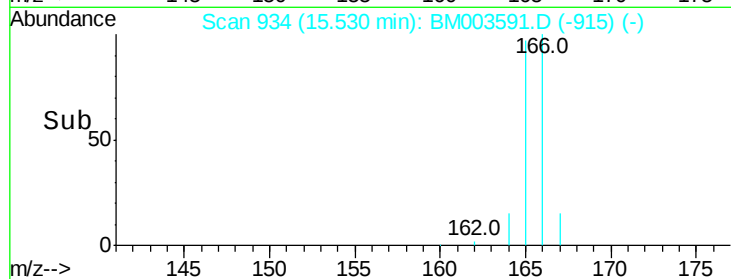
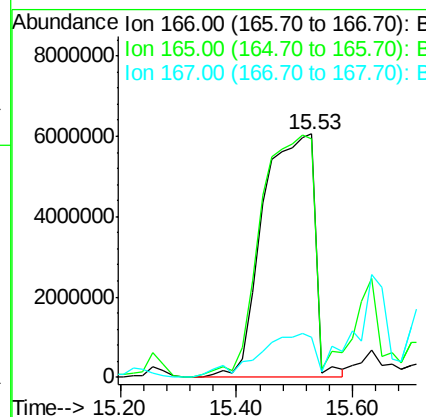
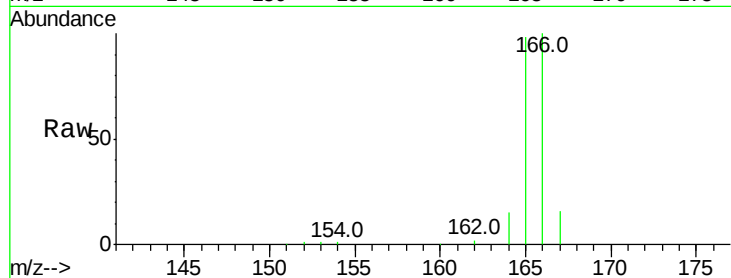
Instrument :
 BNA_M
 ClientSampleId :
 D9N37

Tot Ion:166 Resp:37550897

Ion	Ratio	Lower	Upper
166	100		
165	97.7	69.6	104.4
167	16.4	11.9	17.9

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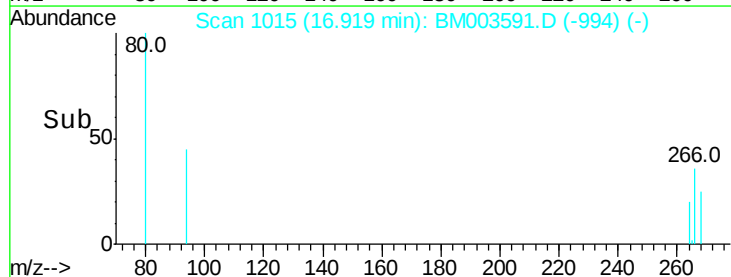
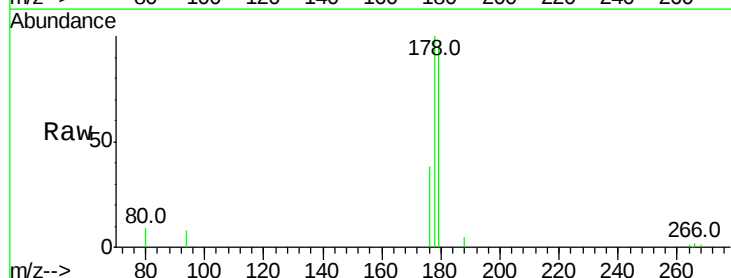
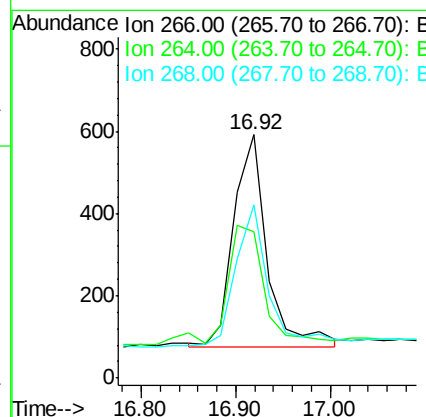
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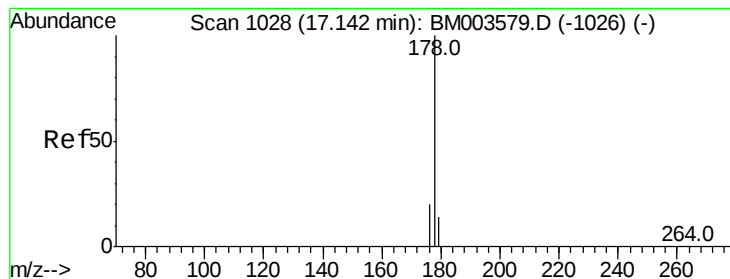


#13
Pentachlorophenol
 Concen: 0.34 ng/ul m
 RT: 16.92 min Scan# 1015
 Delta R.T. 0.15 min
 Lab File: BM003591.D
 Acq: 16 Dec 2015 23:19

Tgt Ion:266 Resp: 1276

Ion	Ratio	Lower	Upper
266	100		
264	0.0	51.8	77.8#
268	0.0	46.8	70.2#





#14

Phenanthrene

Concen: 1247.29 ng/ul m

RT: 17.33 min Scan# 1039

Delta R.T. 0.19 min

Lab File: BM003591.D

Acq: 16 Dec 2015 23:19

Instrument :

BNA_M

ClientSampleId :

D9N37

Tot Ion:178 Resp:84728466

Ion Ratio Lower Upper

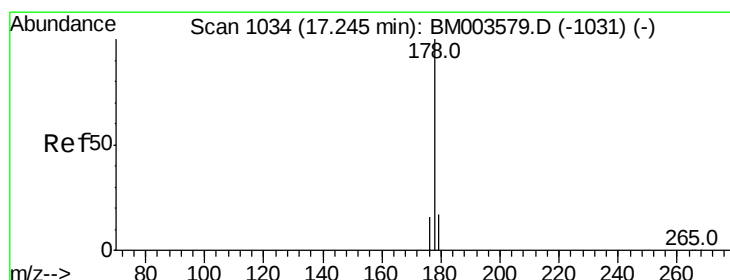
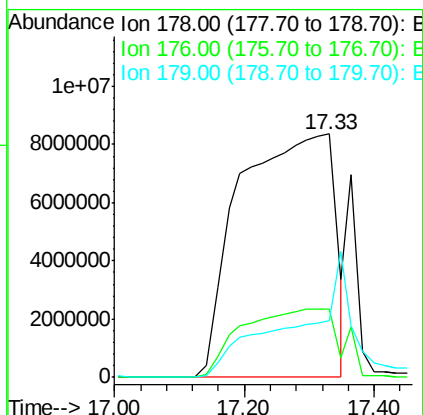
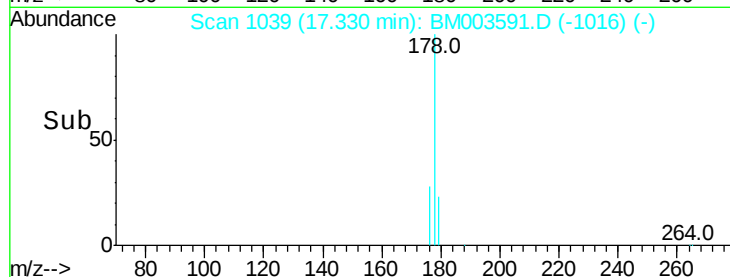
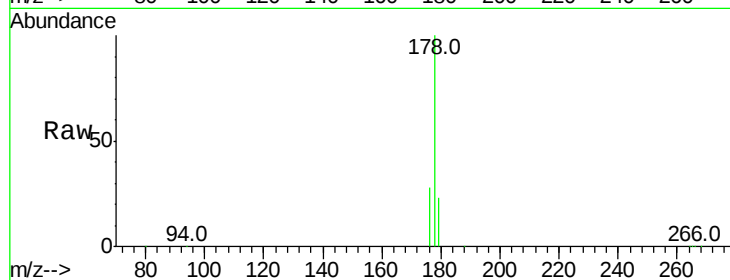
178 100

176 28.3 13.0 19.4#

179 23.3 14.2 21.2#

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#15

Anthracene

Concen: 145.23 ng/ul m

RT: 17.36 min Scan# 1041

Delta R.T. 0.12 min

Lab File: BM003591.D

Acq: 16 Dec 2015 23:19

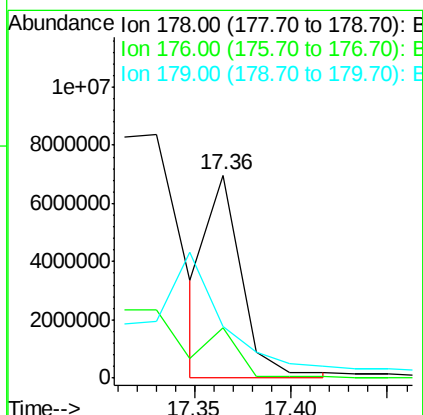
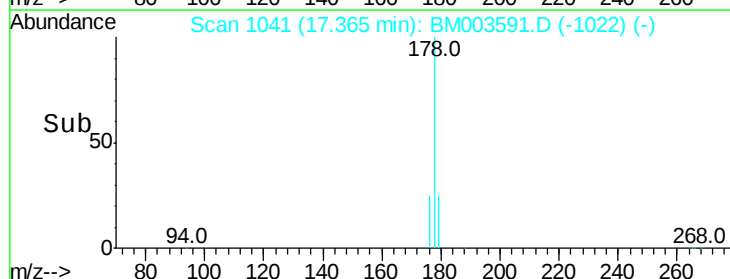
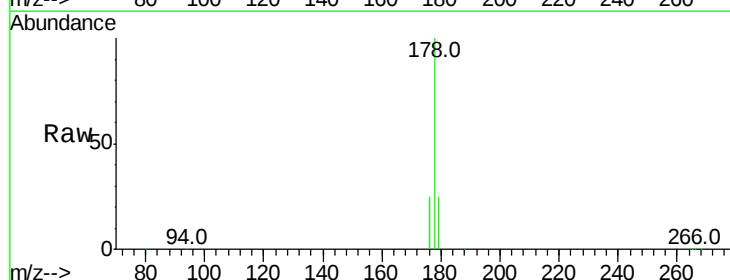
Tgt Ion:178 Resp: 8534310

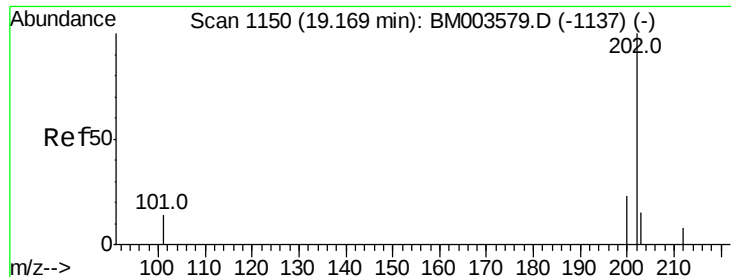
Ion Ratio Lower Upper

178 100

176 24.6 14.0 21.0#

179 25.2 12.9 19.3#





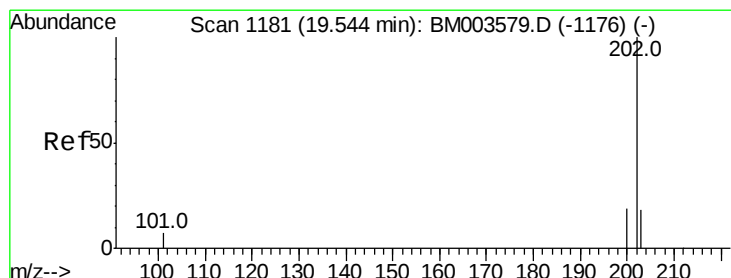
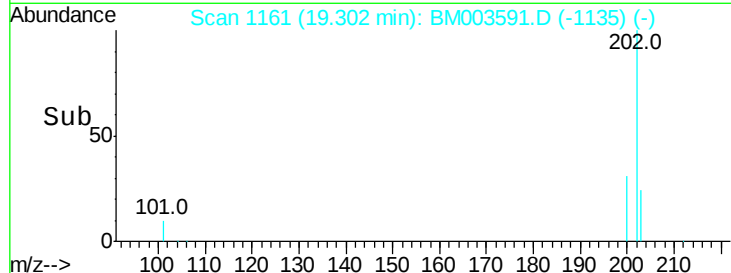
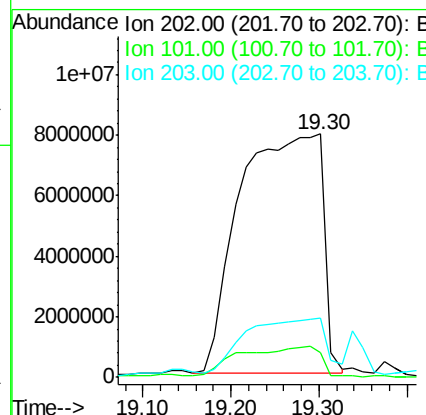
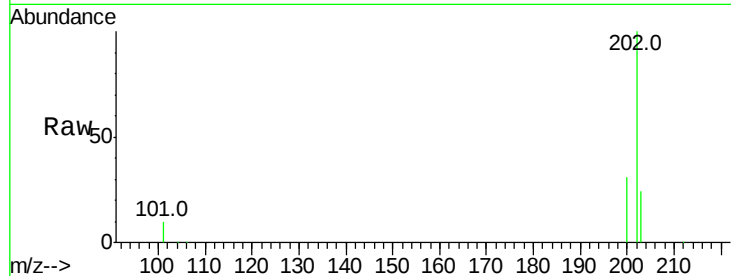
#17
Fluoranthene
Concen: 698.88 ng/ul
RT: 19.30 min Scan# 1161
Delta R.T. 0.13 min
Lab File: BM003591.D
Acq: 16 Dec 2015 23:19

Instrument :
BNA_M
ClientSampleId :
D9N37

Tot Ion:202 Resp:51555914
Ion Ratio Lower Upper
202 100
101 10.0 0.0 29.6
203 24.1 0.0 36.3

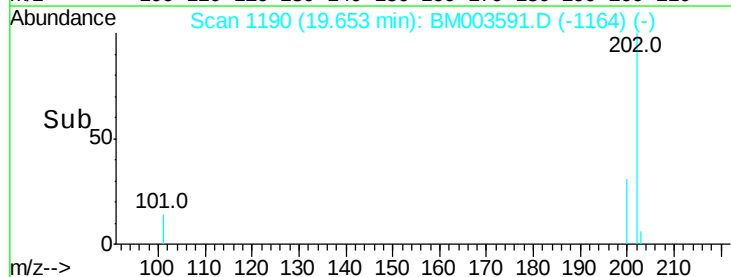
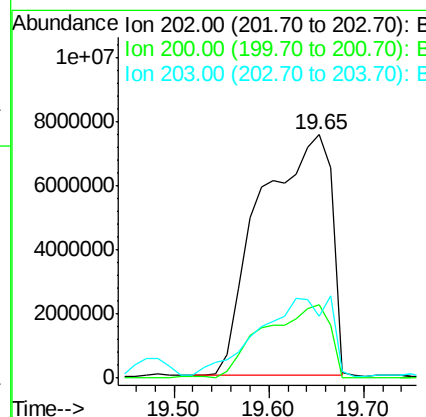
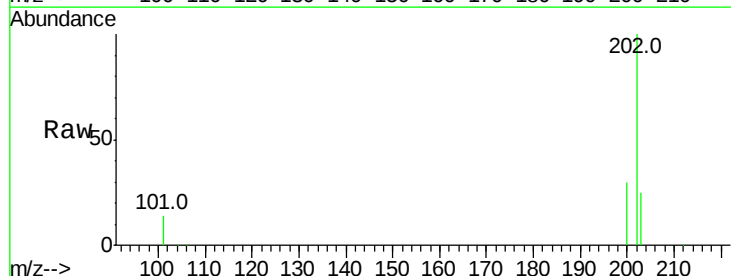
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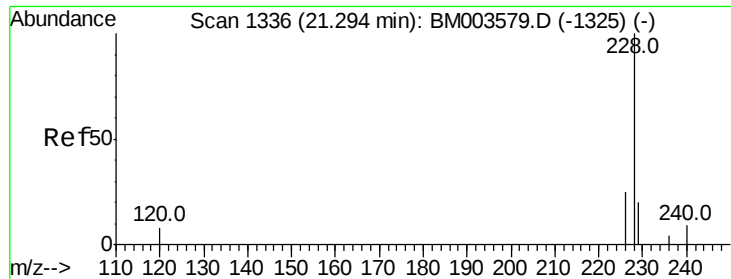
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#19
Pyrene
Concen: 866.04 ng/ul
RT: 19.65 min Scan# 1190
Delta R.T. 0.11 min
Lab File: BM003591.D
Acq: 16 Dec 2015 23:19

Tgt Ion:202 Resp:39113444
Ion Ratio Lower Upper
202 100
200 30.1 17.8 26.8#
203 25.2 12.8 19.2#





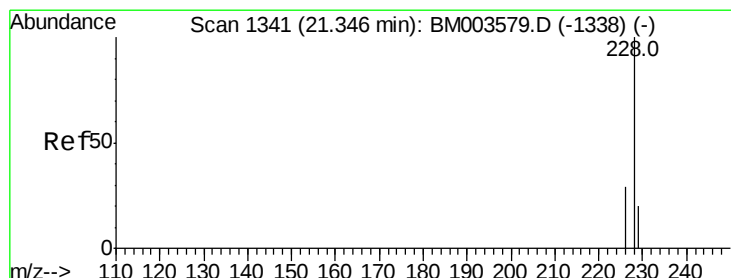
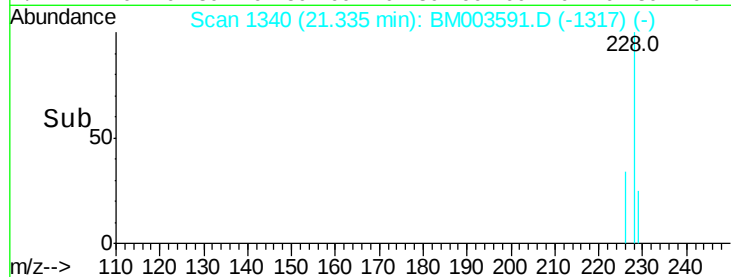
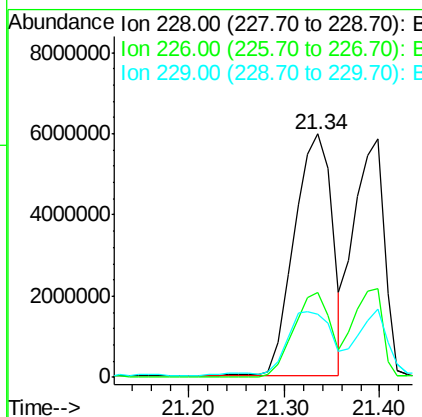
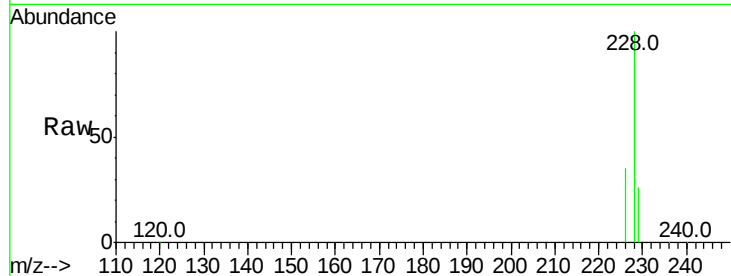
#20
Benzo(a)anthracene
Concen: 406.23 ng/ul
RT: 21.34 min Scan# 1340
Delta R.T. 0.04 min
Lab File: BM003591.D
Acq: 16 Dec 2015 23:19

Instrument :
BNA_M
ClientSampleId :
D9N37

Tot Ion:228 Resp:16593115
Ion Ratio Lower Upper
228 100
226 34.7 18.8 28.2#
229 25.8 17.1 25.7#

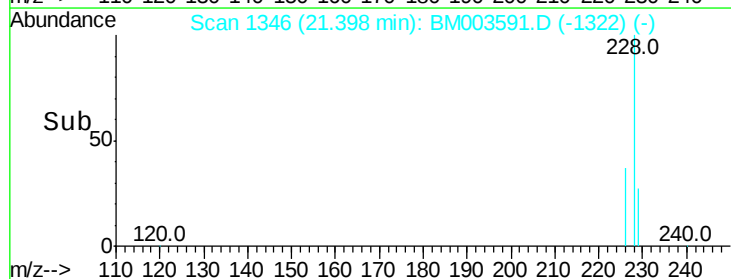
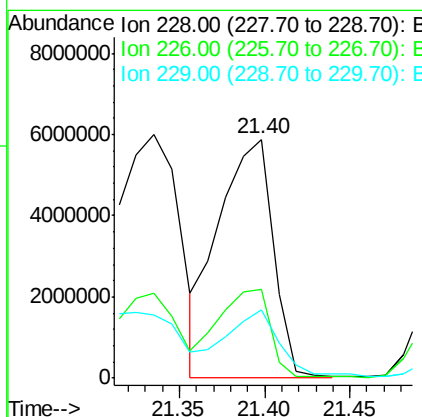
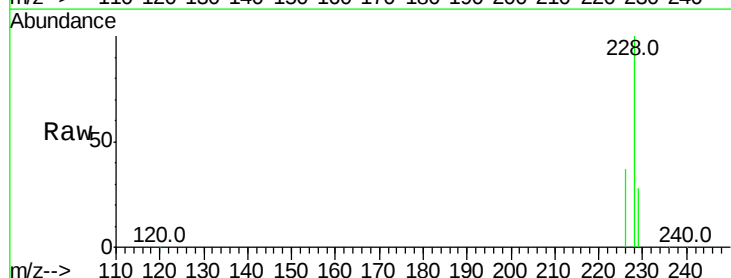
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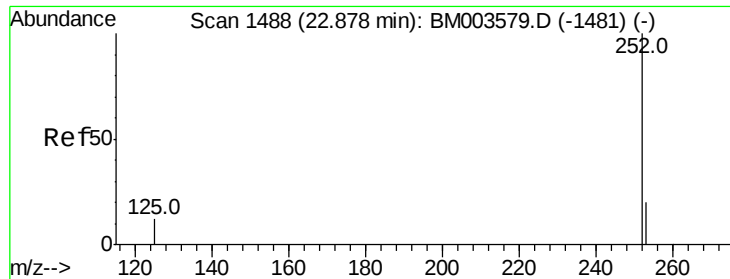
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#21
Chrysene
Concen: 280.74 ng/ul m
RT: 21.40 min Scan# 1346
Delta R.T. 0.05 min
Lab File: BM003591.D
Acq: 16 Dec 2015 23:19

Tgt Ion:228 Resp:13138543
Ion Ratio Lower Upper
228 100
226 37.4 21.2 31.8#
229 28.5 17.0 25.6#





#23

Benzo(b)fluoranthene

Concen: 116.25 ng/ul m

RT: 22.93 min Scan# 1493

Delta R.T. 0.05 min

Lab File: BM003591.D

Acq: 16 Dec 2015 23:19

Instrument :

BNA_M

ClientSampleId :

D9N37

Tot Ion:252 Resp:11371610

Ion Ratio Lower Upper

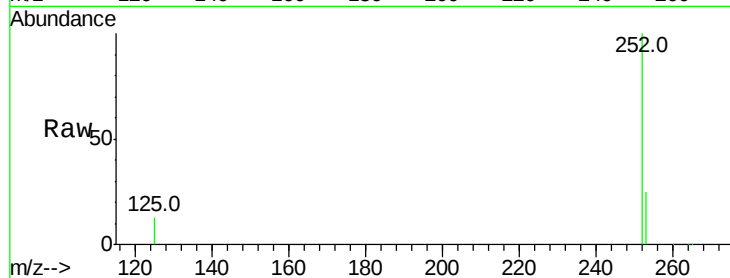
252 100

253 24.5 0.0 45.4

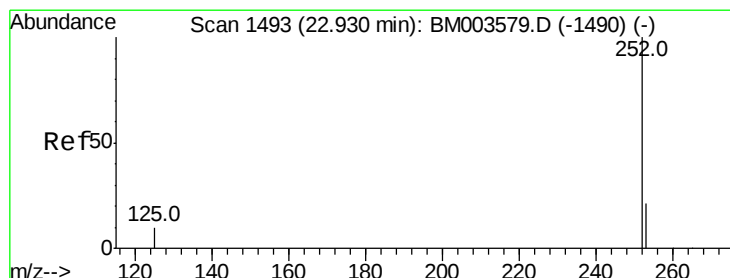
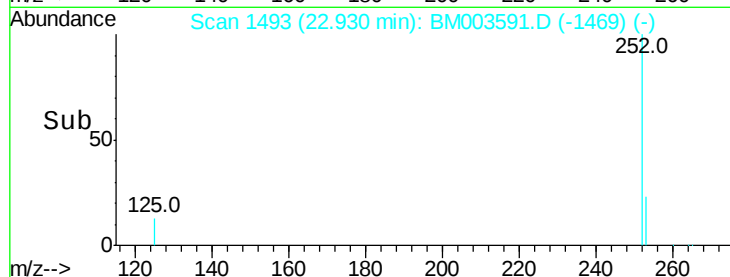
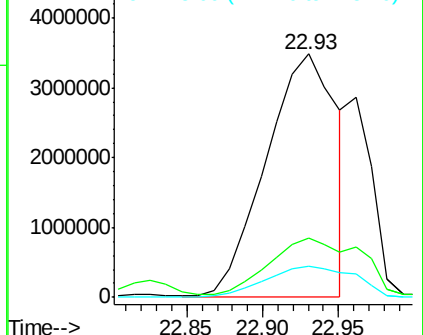
125 12.8 0.0 28.8

Manual Integrations
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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: 35.84 ng/ul m

RT: 22.96 min Scan# 1496

Delta R.T. 0.03 min

Lab File: BM003591.D

Acq: 16 Dec 2015 23:19

Tgt Ion:252 Resp: 3177903

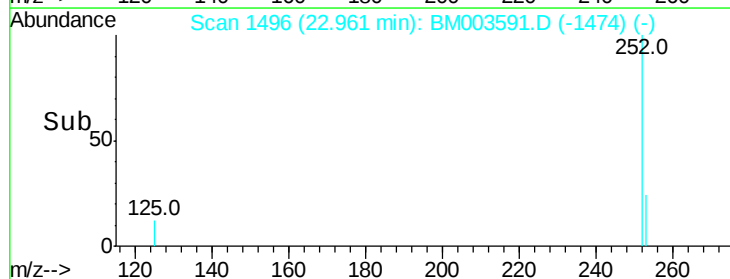
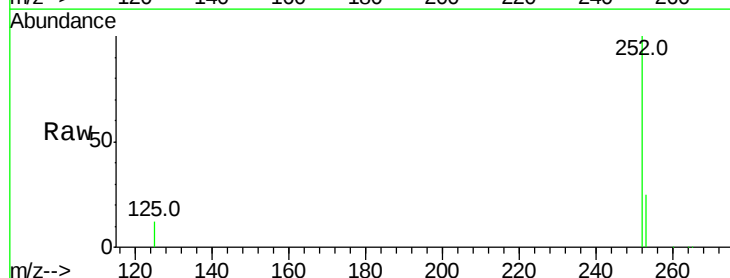
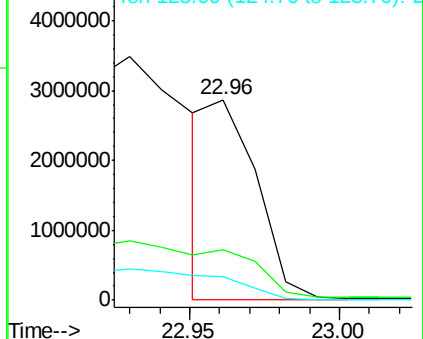
Ion Ratio Lower Upper

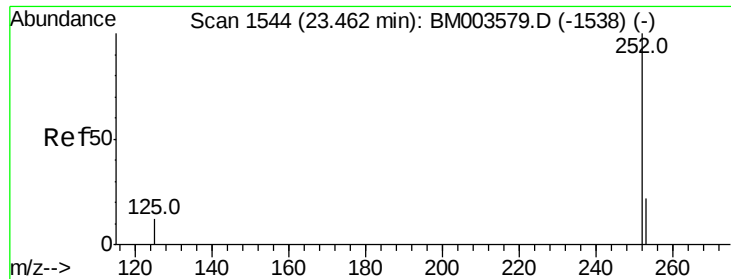
252 100

253 24.9 19.8 29.8

125 11.8 10.4 15.6

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: 79.18 ng/ul

RT: 23.50 min Scan# 1548

Delta R.T. 0.04 min

Lab File: BM003591.D

Acq: 16 Dec 2015 23:19

Instrument :

BNA_M

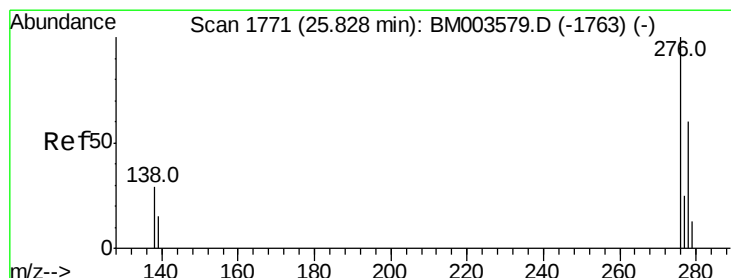
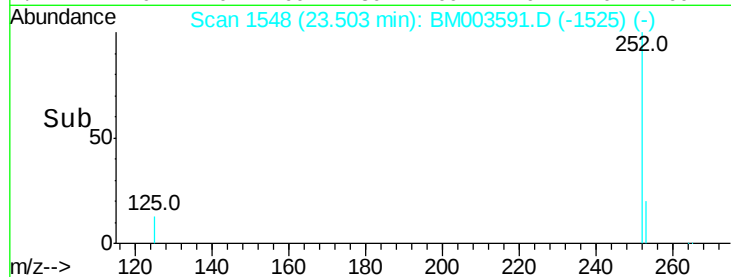
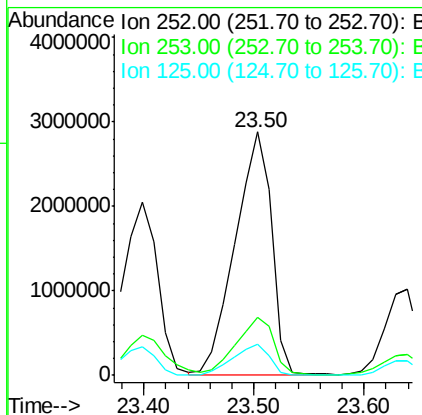
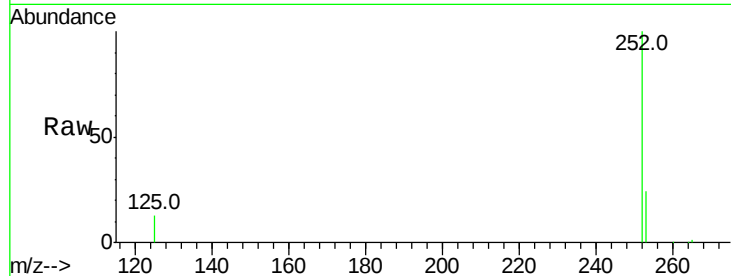
ClientSampleId :

D9N37

Tot Ion:	252	Resp:	6533155
Ion Ratio	Lower	Upper	
252	100		
253	23.6	19.4	29.2
125	12.9	12.7	19.1

Manual Integrations
APPROVED

MMdadoda
12/17/2015 5:36:17 PM



#26

Indeno(1,2,3-cd)pyrene

Concen: 25.04 ng/ul

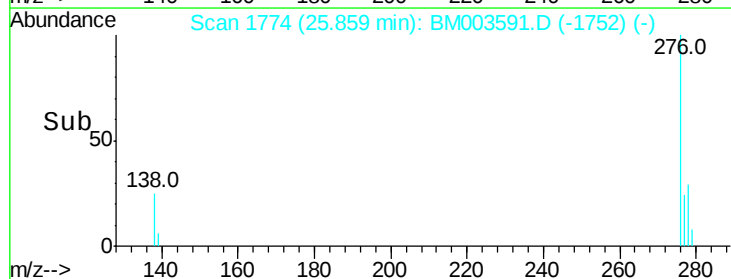
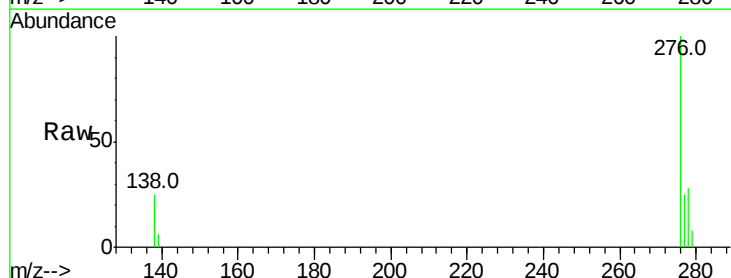
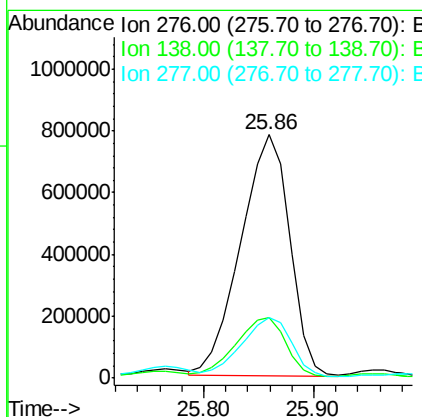
RT: 25.86 min Scan# 1774

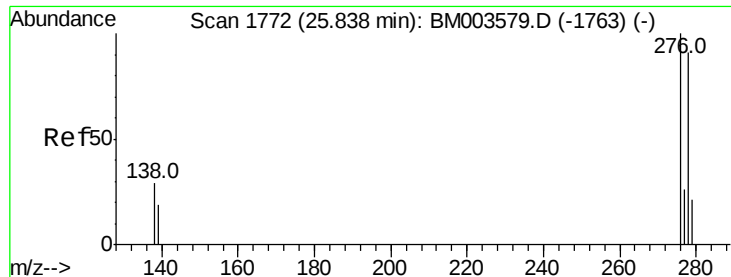
Delta R.T. 0.03 min

Lab File: BM003591.D

Acq: 16 Dec 2015 23:19

Tgt Ion:	276	Resp:	2395331
Ion Ratio	Lower	Upper	
276	100		
138	24.8	16.3	24.5#
277	24.8	19.8	29.8





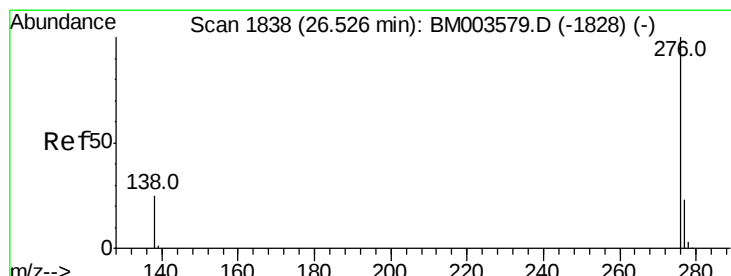
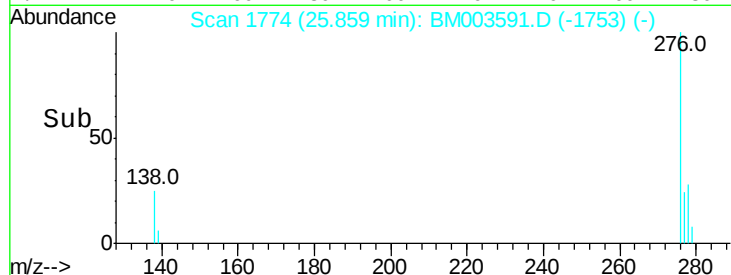
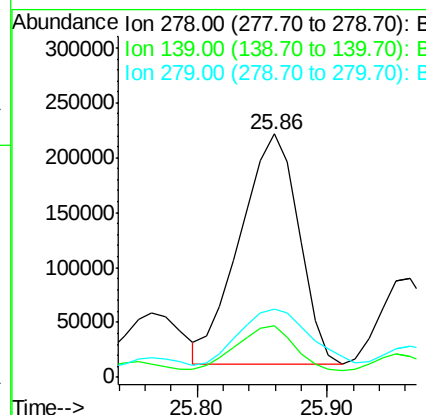
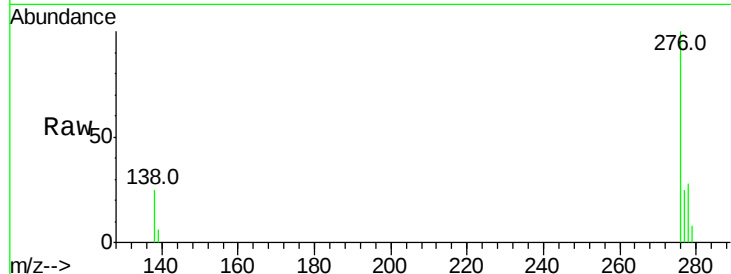
#27
Dibenzo(a,h)anthracene
Concen: 8.56 ng/ul
RT: 25.86 min Scan# 1774
Delta R.T. 0.02 min
Lab File: BM003591.D
Acq: 16 Dec 2015 23:19

Instrument :
BNA_M
ClientSampleId :
D9N37

Tot Ion	Ratio	Lower	Upper
278	100		
139	21.0	16.4	24.6
279	28.2	20.2	30.2

Manual Integrations
APPROVED

MMdadoda
12/17/2015 5:36:17 PM



#28
Benzo(g,h,i)perylene
Concen: 24.14 ng/ul
RT: 26.56 min Scan# 1841
Delta R.T. 0.03 min
Lab File: BM003591.D
Acq: 16 Dec 2015 23:19

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.1	18.9	28.3
138	25.4	22.5	33.7

