

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM091019\
 Data File : BM022656.D
 Acq On : 11 Sep 2019 14:28
 Operator : HP/JU
 Sample : K4706-08
 Misc :
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BF574

Manual Integrations
 APPROVED

mohammad
 9/16/2019 8:54:57 AM

Quant Time: Sep 12 01:16:53 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM091019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 10 15:06:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.85	152	17724	0.40	ng/ul	0.00
2) Naphthalene-d8	10.64	136	77502	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.48	164	45590	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.21	188	102184m	0.40	ng/ul	0.00
16) Chrysene-d12	21.39	240	87905m	0.40	ng/ul	0.00
20) Perylene-d12	23.68	264	82255	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.23	152	34031	0.27	ng/ul	0.00
14) Fluoranthene-d10	19.24	212	92983m	0.33	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.69	128	477905	2.164	ng/ul	100
5) 2-Methylnaphthalene	12.30	142	82565	0.545	ng/ul	100
7) Acenaphthylene	14.20	152	7248	0.034	ng/ul#	73
8) Acenaphthene	14.54	153	240480	1.361	ng/ul	98
9) Fluorene	15.52	166	349506	1.727	ng/ul	99
12) Phenanthrene	17.26	178	1088004m	3.342	ng/ul	
13) Anthracene	17.35	178	62238m	0.223	ng/ul	
15) Fluoranthene	19.27	202	209883m	0.597	ng/ul	
17) Pyrene	19.63	202	126352m	0.317	ng/ul	
18) Benzo(a)anthracene	21.38	228	18530	0.055	ng/ul	95
19) Chrysene	21.43	228	11872m	0.034	ng/ul	
21) Benzo(b)fluoranthene	22.99	252	11522m	0.032	ng/ul	

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

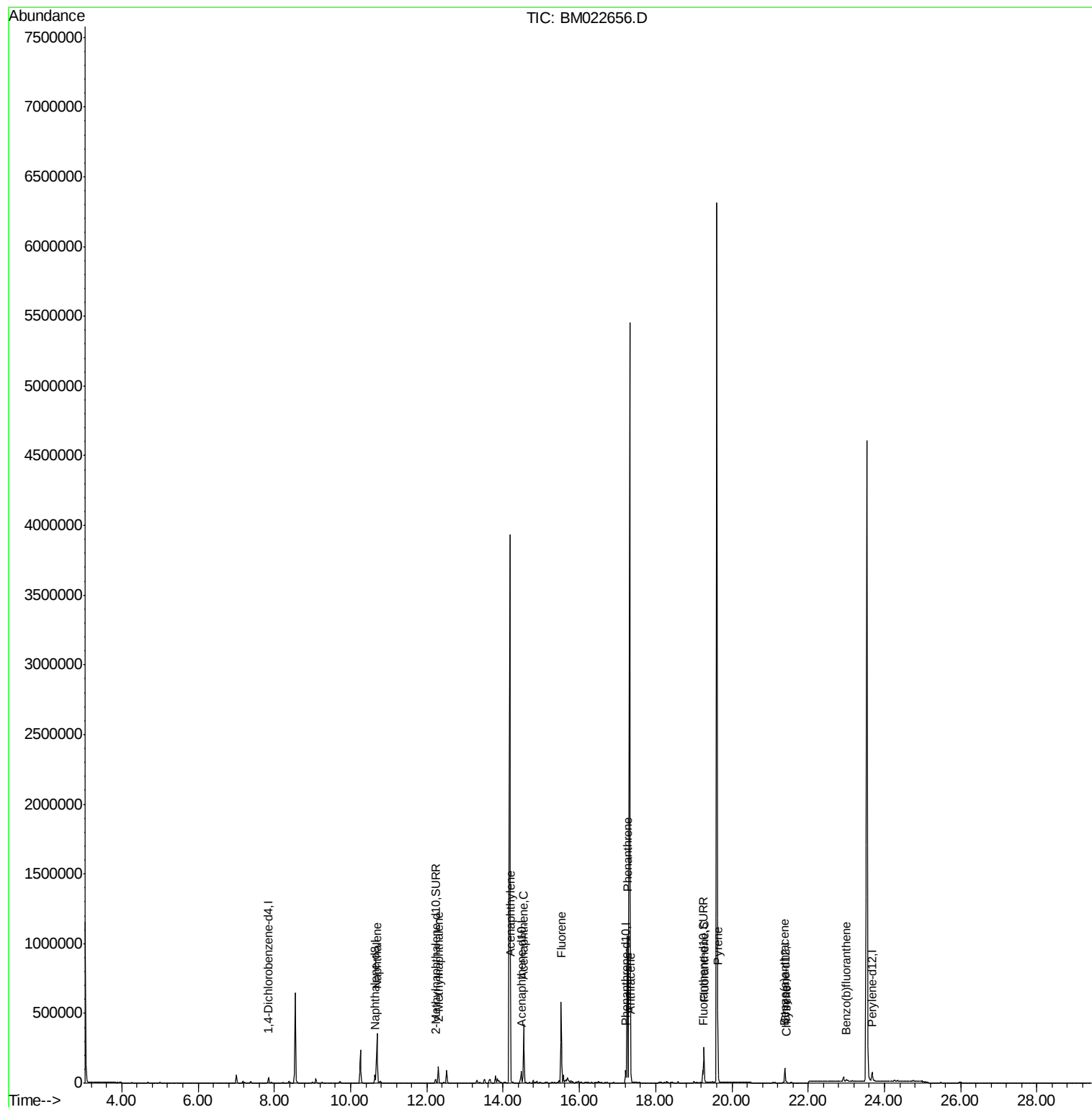
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM091019\
Data File : BM022656.D
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ALS Vial : 44 Sample Multiplier: 1

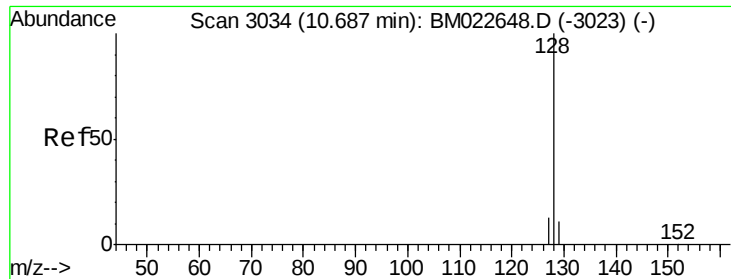
Instrument :
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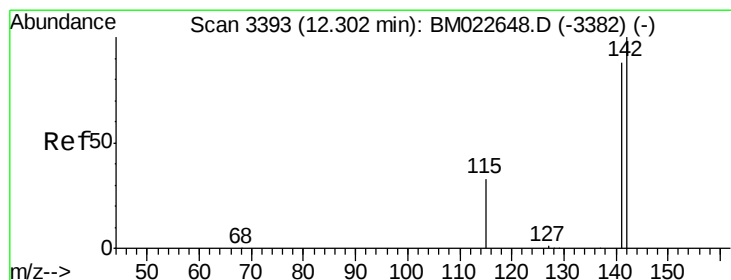
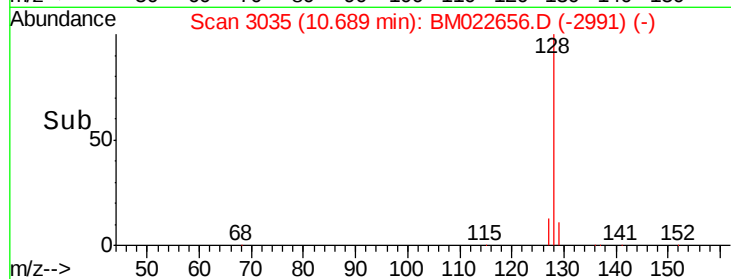
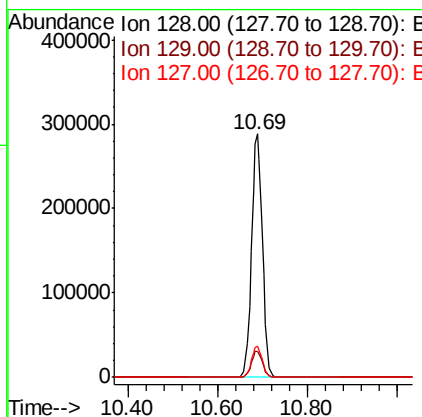
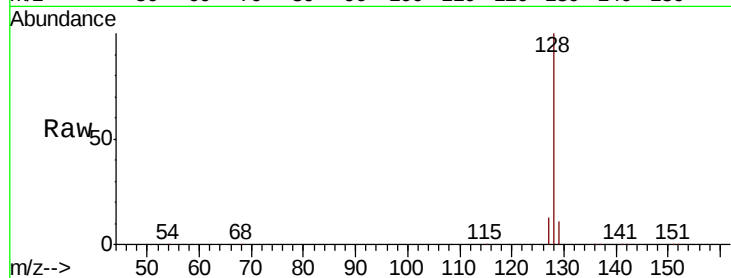
#3
Naphthalene
Concen: 2.164 ng/ul
RT: 10.69 min Scan# 3035
Delta R.T. -0.00 min
Lab File: BM022656.D
Acq: 11 Sep 2019 14:28

Instrument :
BNA_M
ClientSampleId :
BF574

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.8	13.2
127	12.7	10.4	15.6

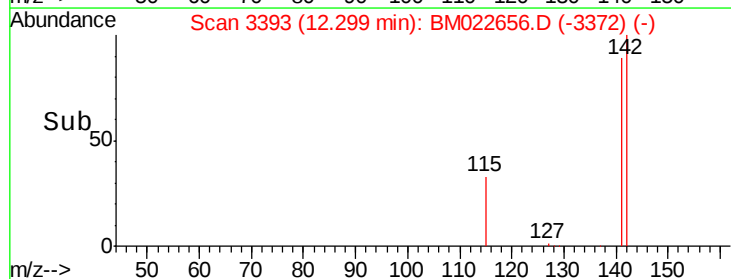
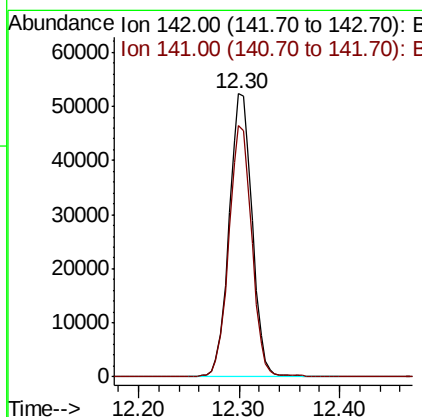
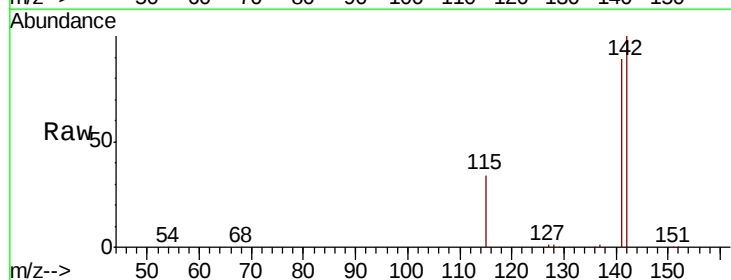
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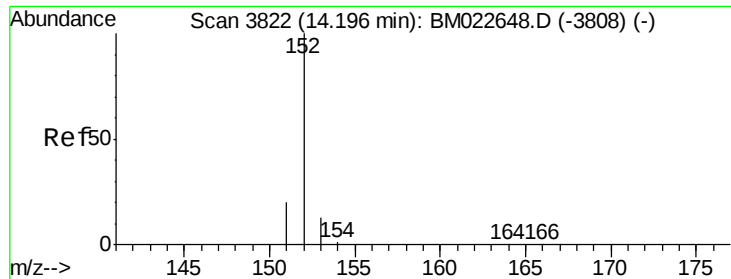
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#5
2-Methylnaphthalene
Concen: 0.545 ng/ul
RT: 12.30 min Scan# 3393
Delta R.T. -0.01 min
Lab File: BM022656.D
Acq: 11 Sep 2019 14:28

Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.4	70.8	106.2





#7

Acenaphthylene

Concen: 0.034 ng/ul

RT: 14.20 min Scan# 3823

Delta R.T. -0.00 min

Lab File: BM022656.D

Acq: 11 Sep 2019 14:28

Instrument :

BNA_M

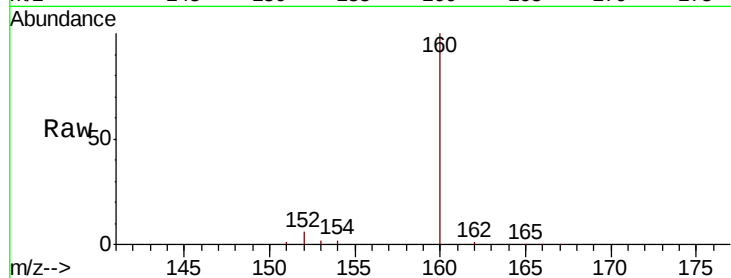
ClientSampleId :

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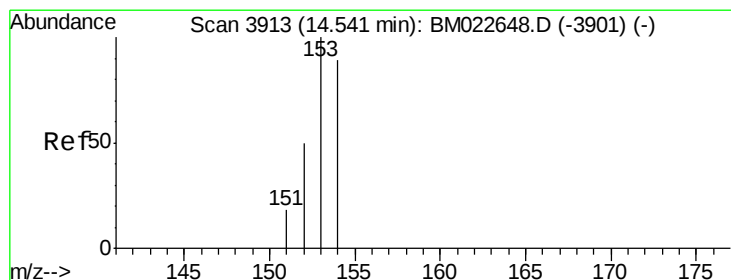
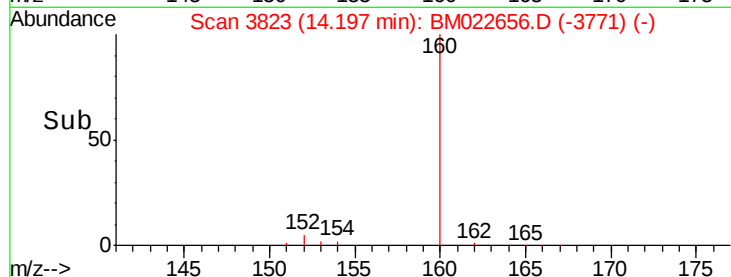
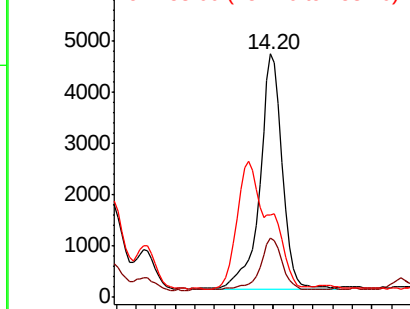
Tot Ion:	152	Resp:	7248
Ion Ratio	Lower	Upper	
152	100		
151	24.4	15.8	23.8#
153	34.0	10.7	16.1#

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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#8

Acenaphthene

Concen: 1.361 ng/ul

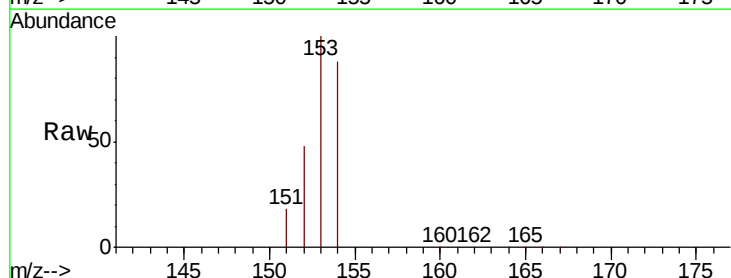
RT: 14.54 min Scan# 3913

Delta R.T. -0.00 min

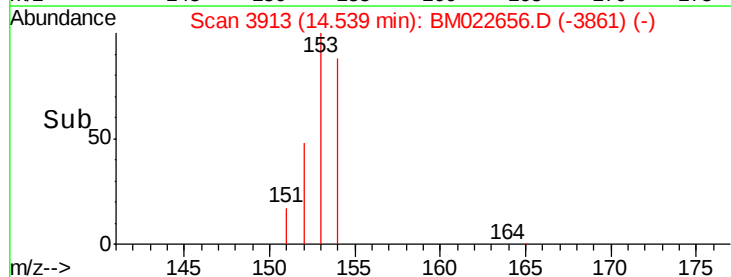
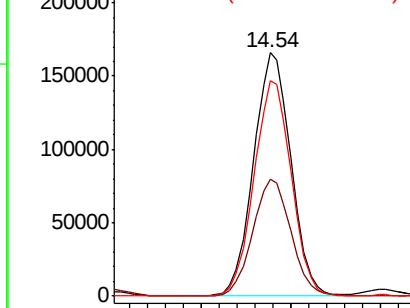
Lab File: BM022656.D

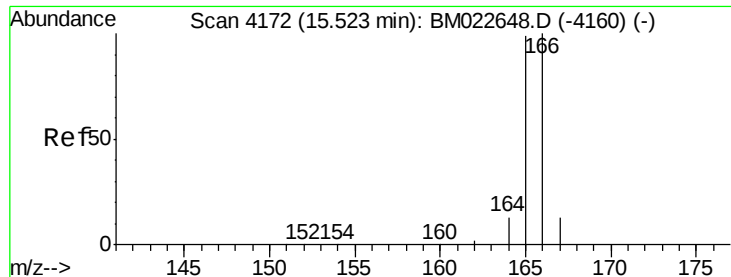
Acq: 11 Sep 2019 14:28

Tgt Ion:	153	Resp:	240480
Ion Ratio	Lower	Upper	
153	100		
152	48.1	40.7	61.1
154	88.5	70.0	105.0



Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E





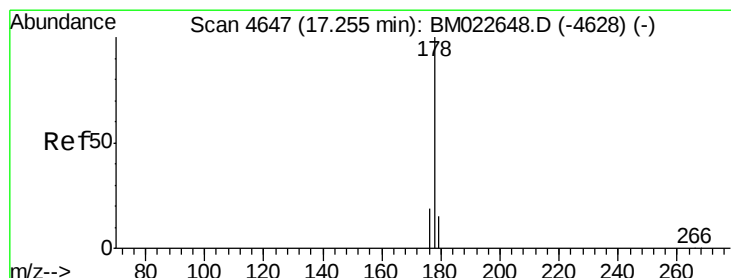
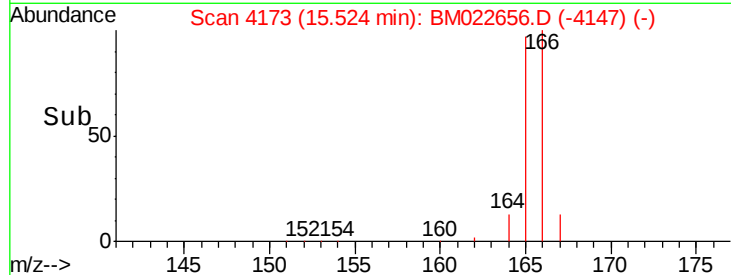
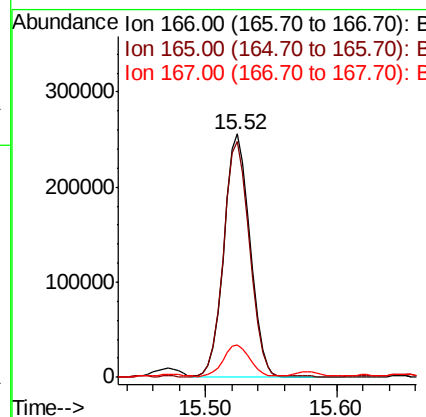
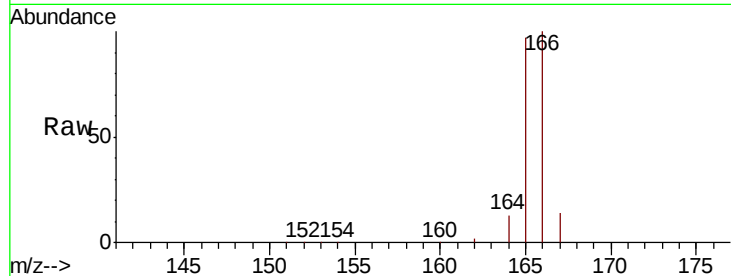
#9
Fluorene
 Concen: 1.727 ng/ul
 RT: 15.52 min Scan# 4173
 Delta R.T. -0.00 min
 Lab File: BM022656.D
 Acq: 11 Sep 2019 14:28

Instrument :
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 BF574

Tot Ion	Ion	Ratio	Lower	Upper
166	100			
165	96.8	78.2	117.2	
167	13.5	10.8	16.2	

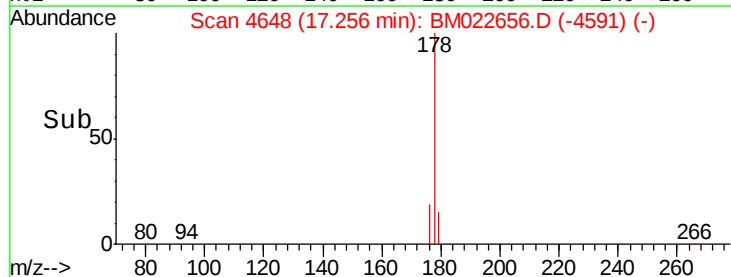
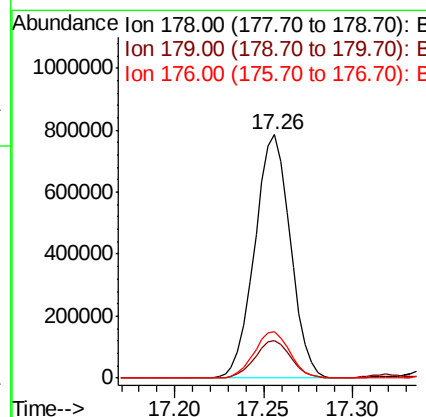
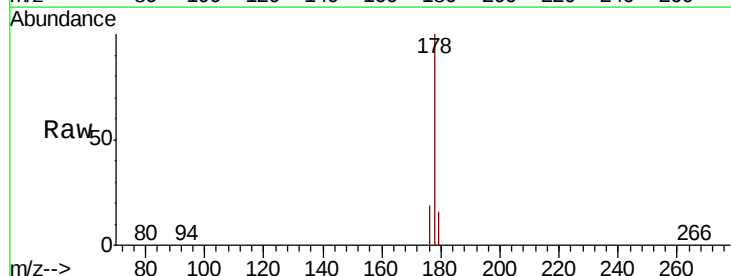
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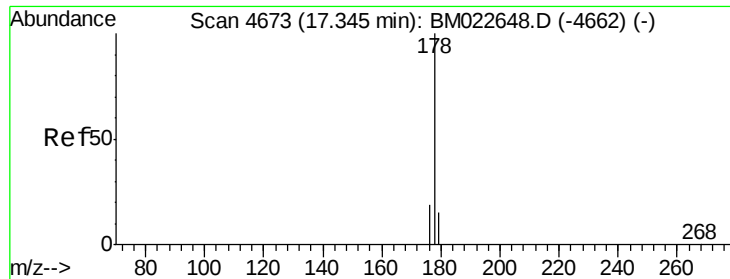
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#12
Phenanthrene
 Concen: 3.342 ng/ul m
 RT: 17.26 min Scan# 4648
 Delta R.T. -0.00 min
 Lab File: BM022656.D
 Acq: 11 Sep 2019 14:28

Tgt Ion	Ion	Ratio	Lower	Upper
178	100			
179	15.5	12.4	18.6	
176	19.0	15.3	22.9	





#13

Anthracene

Concen: 0.223 ng/ul m

RT: 17.35 min Scan# 4674

Delta R.T. -0.00 min

Lab File: BM022656.D

Acq: 11 Sep 2019 14:28

Instrument :

BNA_M

ClientSampleId :

BF574

Tot Ion:178 Resp: 62238

Ion Ratio Lower Upper

178 100

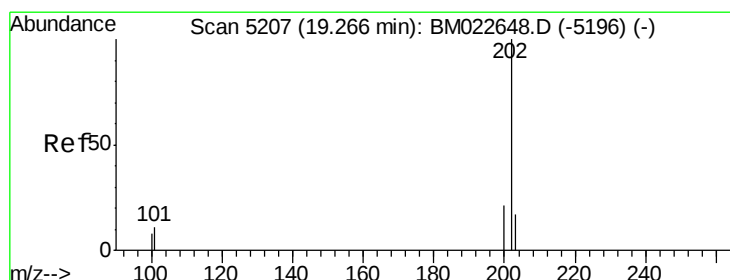
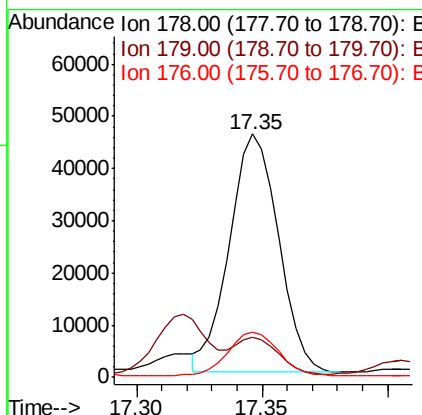
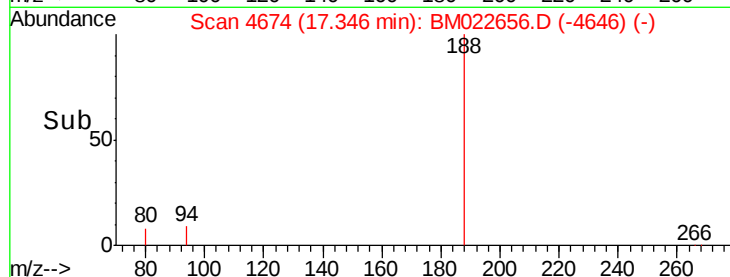
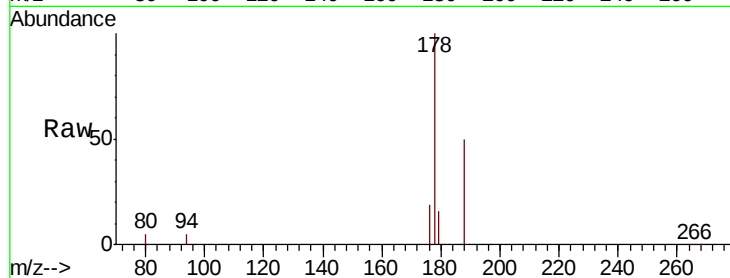
179 16.4 12.5 18.7

176 18.8 14.8 22.2

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#15

Fluoranthene

Concen: 0.597 ng/ul m

RT: 19.27 min Scan# 5208

Delta R.T. -0.00 min

Lab File: BM022656.D

Acq: 11 Sep 2019 14:28

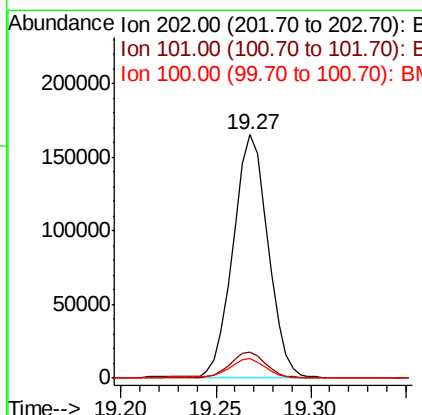
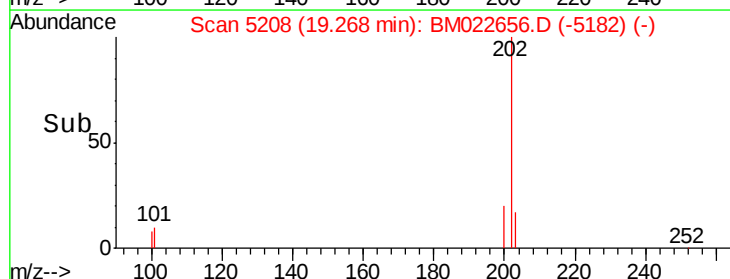
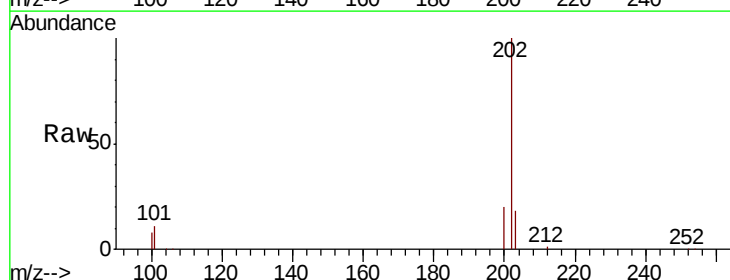
Tgt Ion:202 Resp: 209883

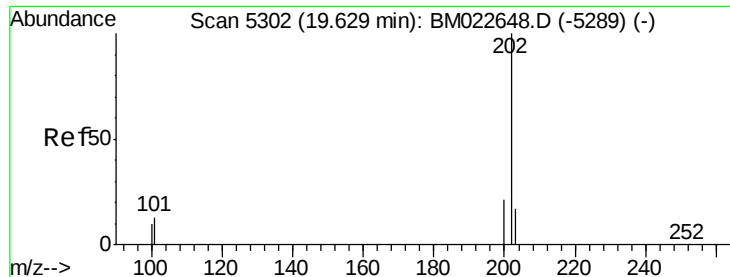
Ion Ratio Lower Upper

202 100

101 10.6 0.0 30.5

100 7.9 0.0 28.0





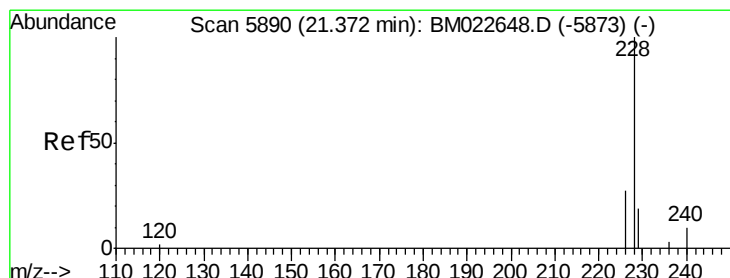
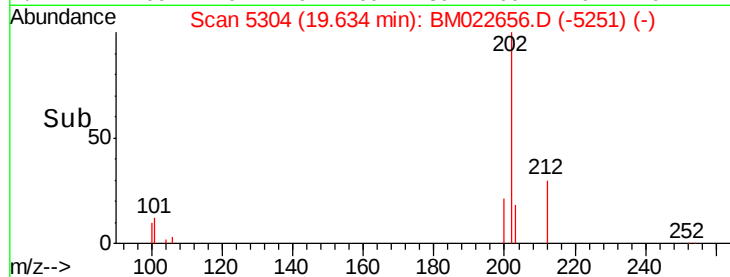
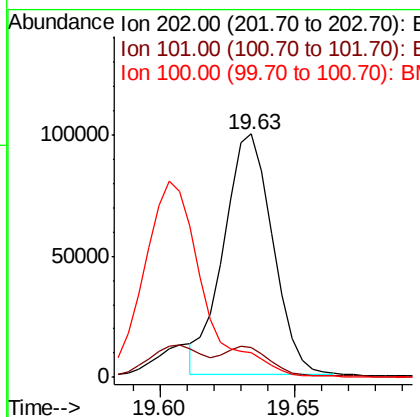
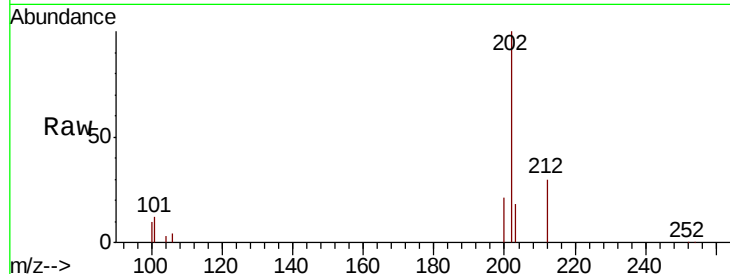
#17
Pvrene
Concen: 0.317 ng/ul m
RT: 19.63 min Scan# 5304
Delta R.T. 0.00 min
Lab File: BM022656.D
Acq: 11 Sep 2019 14:28

Instrument :
BNA_M
ClientSampled :
BF574

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	12.3	10.0	15.0
100	10.0	8.1	12.1

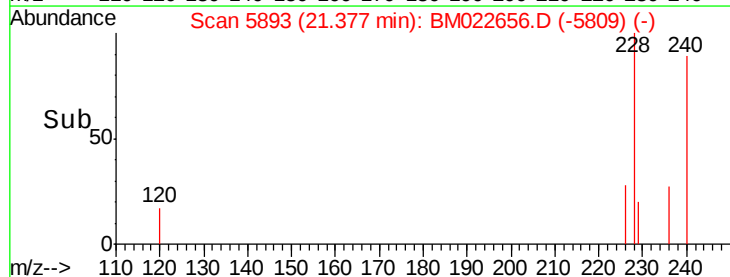
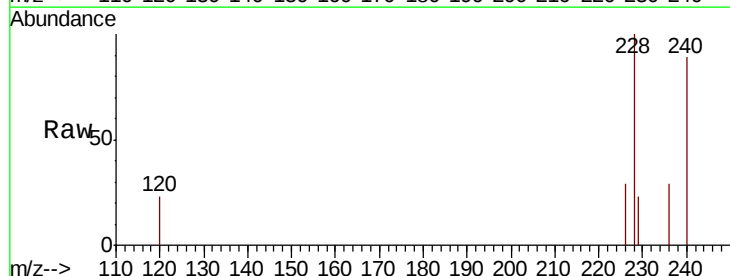
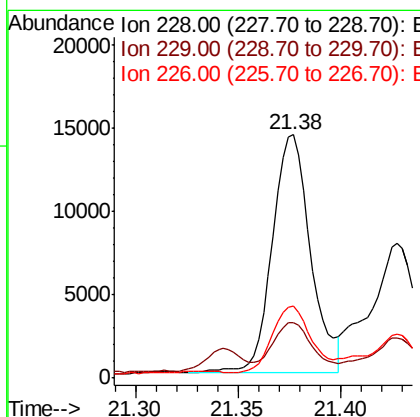
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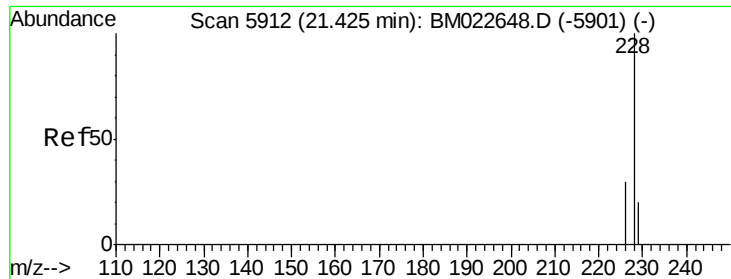
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#18
Benzo(a)anthracene
Concen: 0.055 ng/ul
RT: 21.38 min Scan# 5893
Delta R.T. 0.00 min
Lab File: BM022656.D
Acq: 11 Sep 2019 14:28

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
229	22.7	15.6	23.4
226	29.5	22.0	33.0





#19

Chrysene

Concen: 0.034 ng/ul m

RT: 21.43 min Scan# 5914

Delta R.T. 0.00 min

Lab File: BM022656.D

Acq: 11 Sep 2019 14:28

Instrument :

BNA_M

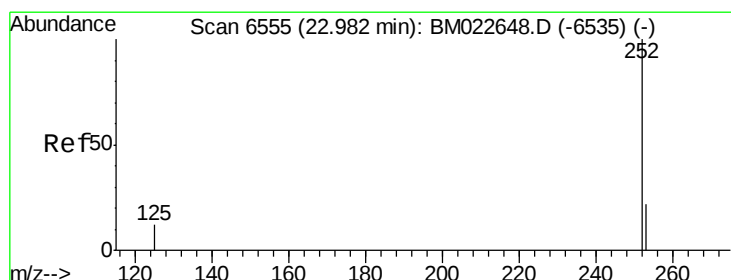
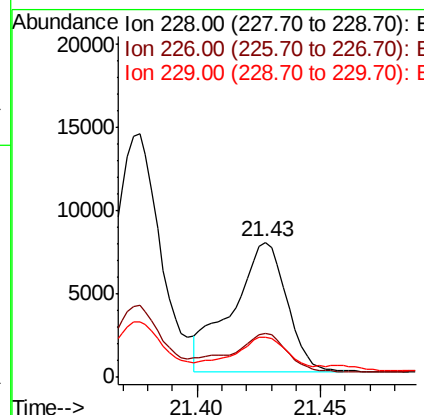
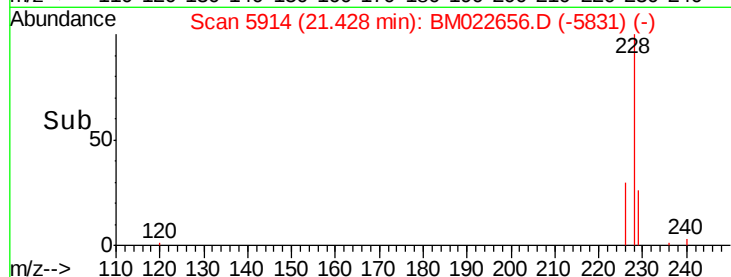
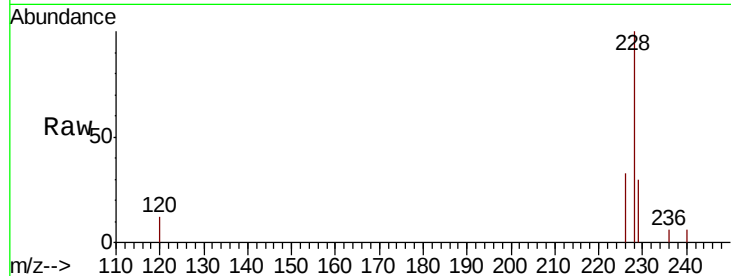
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Tot Ion	Ratio	Lower	Upper
228	100		
226	32.7	23.8	35.8
229	30.1	15.5	23.3

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#21

Benzo(b)fluoranthene

Concen: 0.032 ng/ul m

RT: 22.99 min Scan# 6559

Delta R.T. 0.00 min

Lab File: BM022656.D

Acq: 11 Sep 2019 14:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	46.9	0.0	48.4
125	74.8	0.0	31.2

