

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM091019\
 Data File : BM022650.D
 Acq On : 11 Sep 2019 10:49
 Operator : HP/JU
 Sample : K4706-02
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BF568

Manual Integrations
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Quant Time: Sep 11 14:47:25 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	22618	0.40	ng/ul	0.00
2) Naphthalene-d8	10.67	136	83976	0.40	ng/ul	0.03
6) Acenaphthene-d10	14.48	164	90231	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.22	188	129423m	0.40	ng/ul	0.00
16) Chrysene-d12	21.39	240	101962m	0.40	ng/ul	0.00
20) Perylene-d12	23.67	264	82523m	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.24	152	45873	0.33	ng/ul	0.00
14) Fluoranthene-d10	19.24	212	125038m	0.35	ng/ul	0.00
Target Compounds						
					Ovalue	
3) Naphthalene	10.68	128	61110499	255.398	ng/ul#	91
5) 2-Methylnaphthalene	12.31	142	29748342	181.350	ng/ul	91
7) Acenaphthylene	14.20	152	1417751	3.394	ng/ul#	96
8) Acenaphthene	14.55	153	15004113	42.911	ng/ul	91
9) Fluorene	15.53	166	11390206	28.431	ng/ul	98
11) Pentachlorophenol	16.87	266	3073m	0.117	ng/ul	
12) Phenanthrene	17.26	178	14836638m	35.982	ng/ul	
13) Anthracene	17.35	178	1442714m	4.078	ng/ul	
15) Fluoranthene	19.27	202	4882336m	10.972	ng/ul	
17) Pyrene	19.63	202	3096578	6.699	ng/ul	99
18) Benzo(a)anthracene	21.37	228	590584	1.513	ng/ul	98
19) Chrysene	21.43	228	599218m	1.460	ng/ul	
21) Benzo(b)fluoranthene	22.98	252	507915m	1.417	ng/ul	
22) Benzo(k)fluoranthene	23.03	252	201778m	0.552	ng/ul	
23) Benzo(a)pyrene	23.58	252	325774	1.038	ng/ul#	94
24) Indeno(1,2,3-cd)pyrene	25.98	276	106737	0.279	ng/ul#	90
25) Dibenzo(a,h)anthracene	25.99	278	28587	0.092	ng/ul#	83
26) Benzo(g,h,i)perylene	26.69	276	79802	0.262	ng/ul	99

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

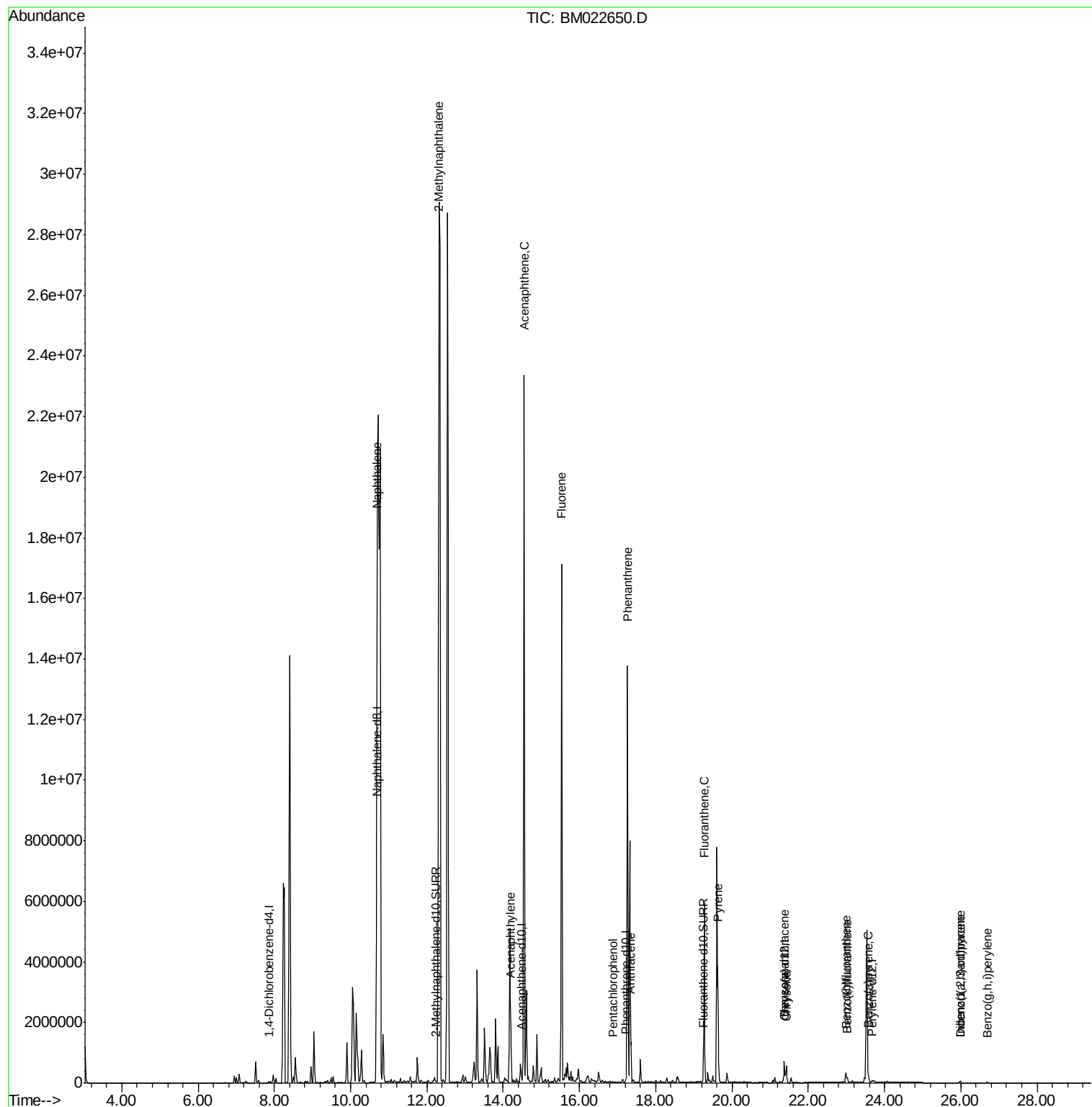
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM091019\
Data File : BM022650.D
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ALS Vial : 38 Sample Multiplier: 1

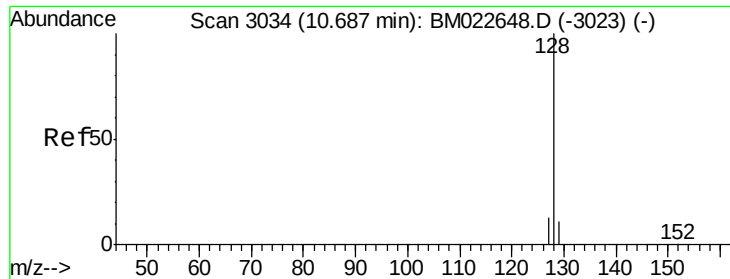
Instrument :
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Quant Time: Sep 11 14:47:25 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM091019.M
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#3

Naphthalene

Concen: 255.398 ng/ul

RT: 10.68 min Scan# 3034

Delta R.T. -0.01 min

Lab File: BM022650.D

Acq: 11 Sep 2019 10:49

Instrument :

BNA_M

ClientSampleId :

BF568

Tot Ion:128 Resp:61110499

Ion Ratio Lower Upper

128 100

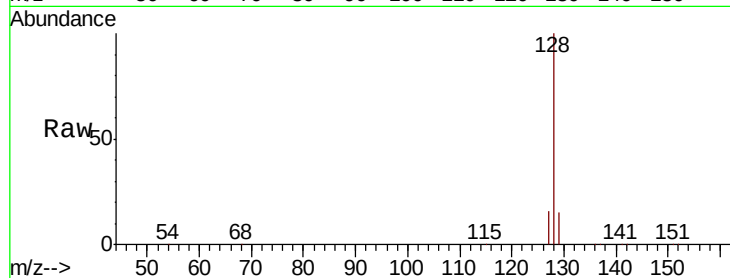
129 15.0 8.8 13.2#

127 16.1 10.4 15.6#

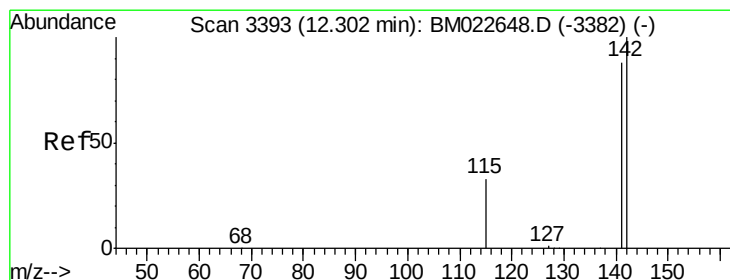
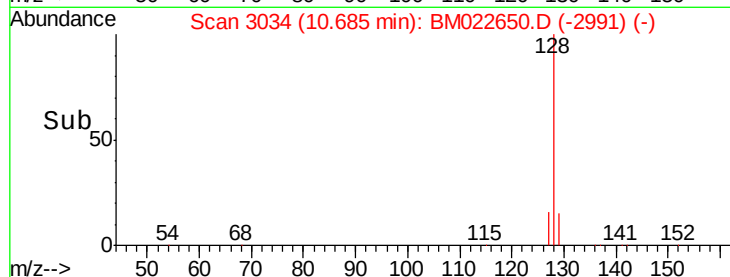
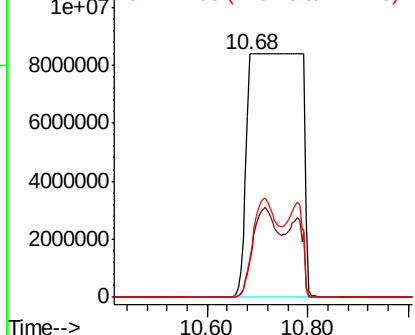
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Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#5

2-Methylnaphthalene

Concen: 181.350 ng/ul

RT: 12.31 min Scan# 3395

Delta R.T. 0.00 min

Lab File: BM022650.D

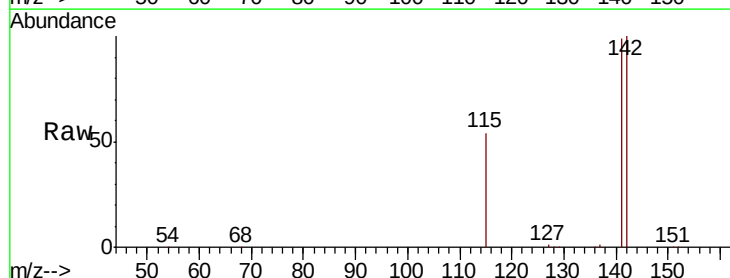
Acq: 11 Sep 2019 10:49

Tgt Ion:142 Resp:29748342

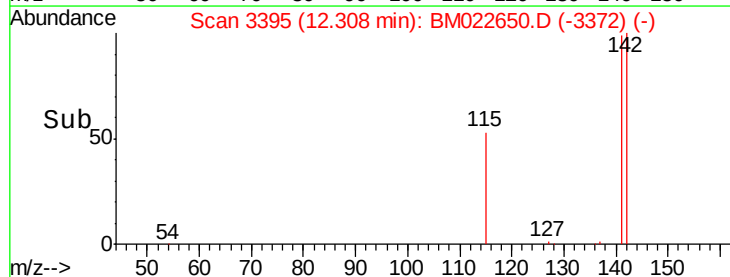
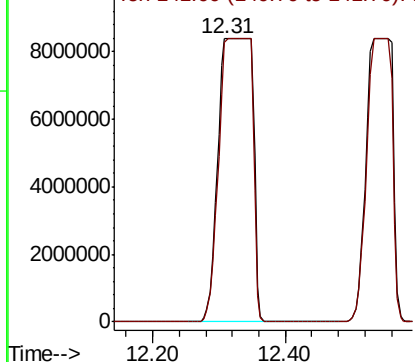
Ion Ratio Lower Upper

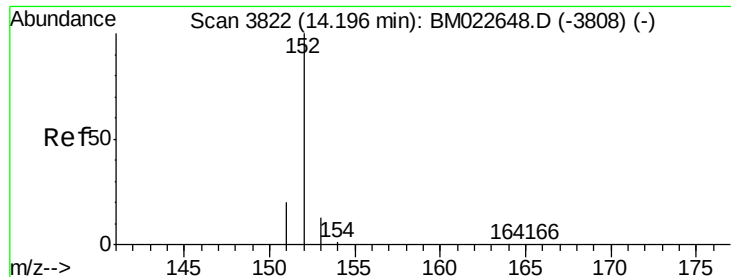
142 100

141 96.7 70.8 106.2



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 3.394 ng/ul

RT: 14.20 min Scan# 3824

Delta R.T. 0.00 min

Lab File: BM022650.D

Acq: 11 Sep 2019 10:49

Instrument :

BNA_M

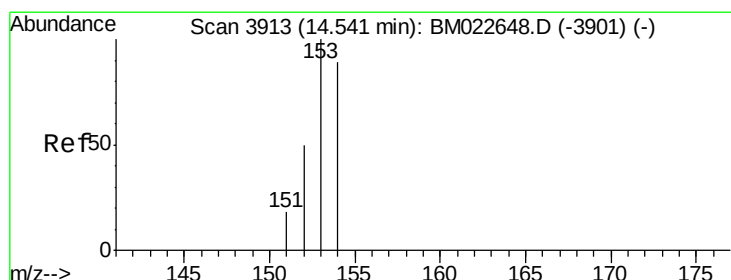
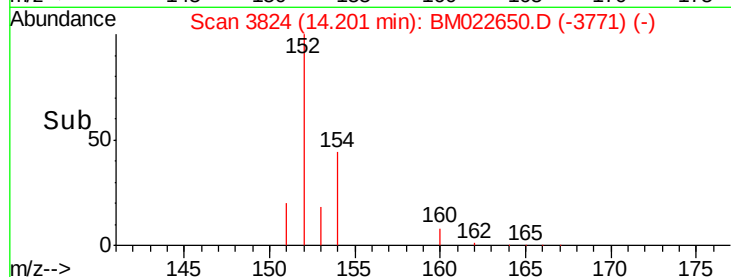
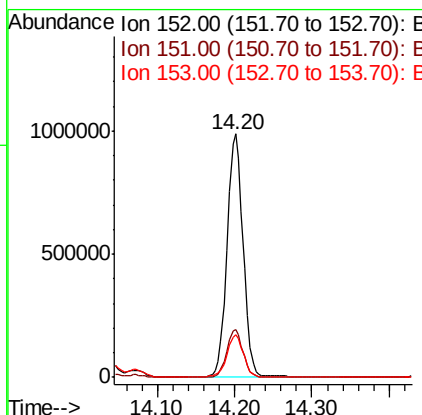
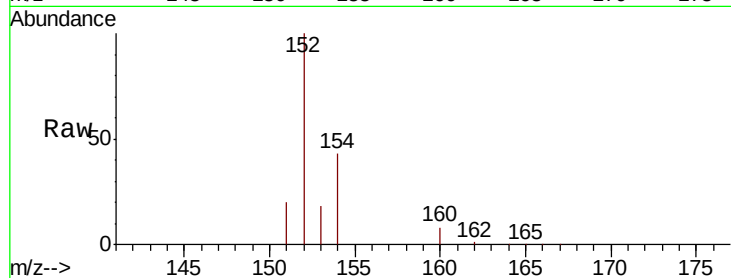
ClientSampleId :

BF568

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.8	23.8
153	17.5	10.7	16.1

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#8

Acenaphthene

Concen: 42.911 ng/ul

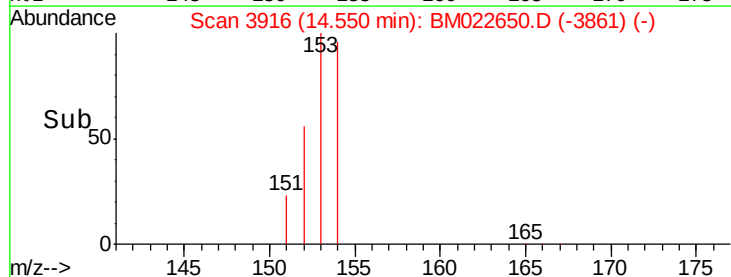
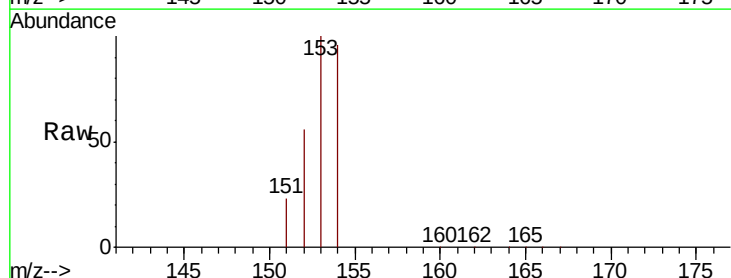
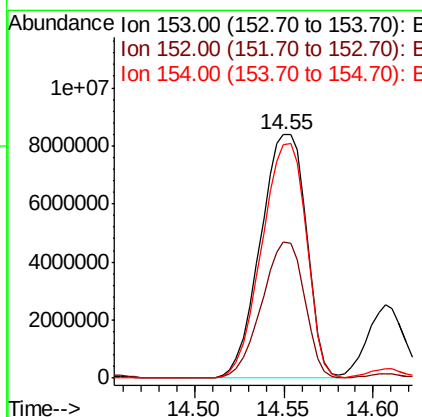
RT: 14.55 min Scan# 3916

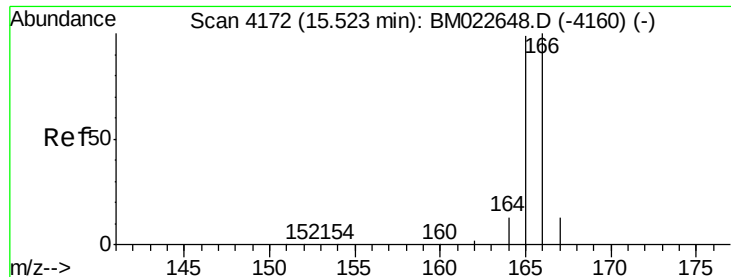
Delta R.T. 0.01 min

Lab File: BM022650.D

Acq: 11 Sep 2019 10:49

Tgt Ion	Ratio	Lower	Upper
153	100		
152	56.1	40.7	61.1
154	96.1	70.0	105.0





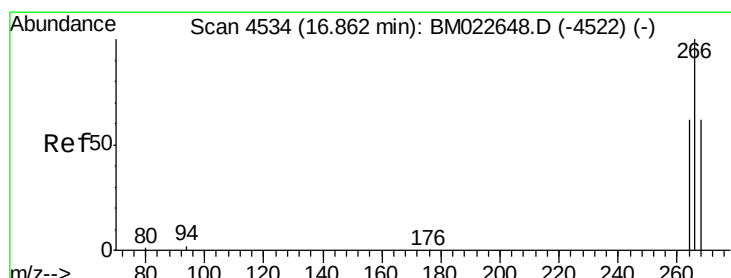
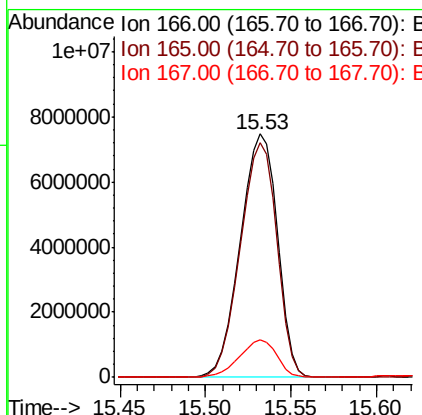
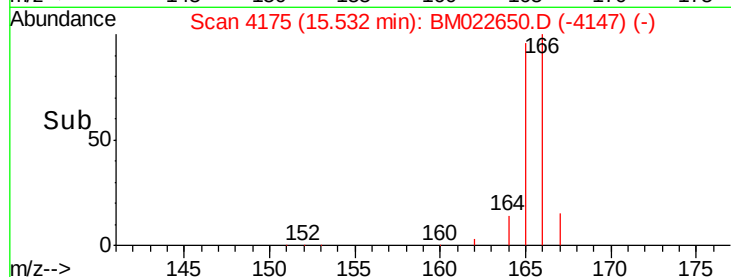
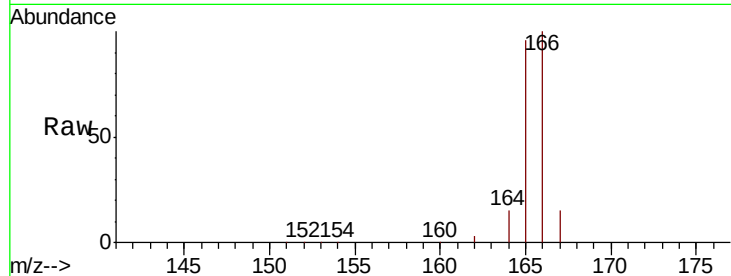
#9
Fluorene
 Concen: 28.431 ng/ul
 RT: 15.53 min Scan# 4175
 Delta R.T. 0.01 min
 Lab File: BM022650.D
 Acq: 11 Sep 2019 10:49

Instrument :
 BNA_M
 ClientSampleId :
 BF568

Tot Ion:166 Resp:11390206
 Ion Ratio Lower Upper
 166 100
 165 96.1 78.2 117.2
 167 15.3 10.8 16.2

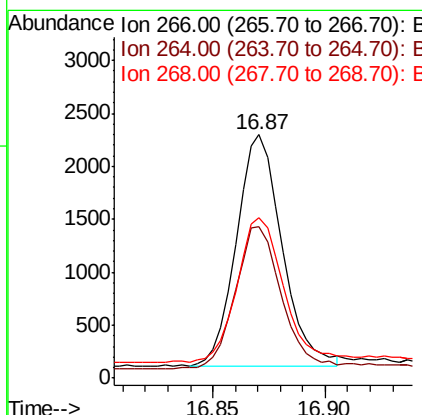
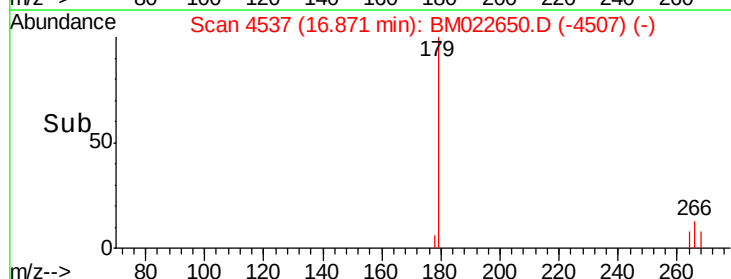
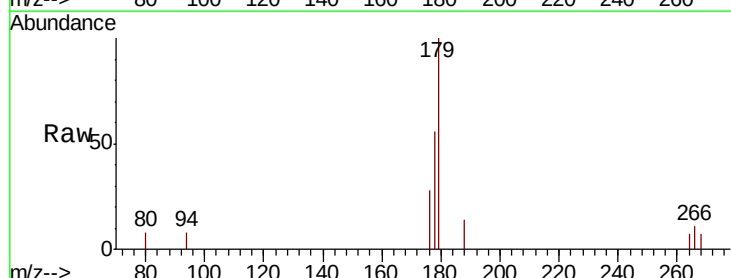
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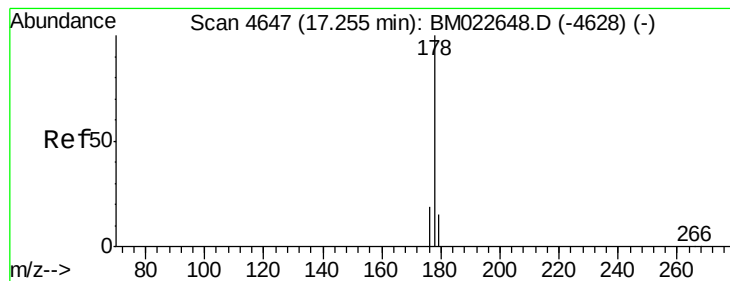
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#11
Pentachlorophenol
 Concen: 0.117 ng/ul m
 RT: 16.87 min Scan# 4537
 Delta R.T. 0.00 min
 Lab File: BM022650.D
 Acq: 11 Sep 2019 10:49

Tgt Ion:266 Resp: 3073
 Ion Ratio Lower Upper
 266 100
 264 2.9 50.4 75.6#
 268 2.9 51.3 76.9#





#12

Phenanthrene

Concen: 35.982 ng/ul m

RT: 17.26 min Scan# 4649

Delta R.T. 0.00 min

Lab File: BM022650.D

Acq: 11 Sep 2019 10:49

Instrument :

BNA_M

ClientSampleId :

BF568

Tot Ion:178 Resp:14836638

Ion Ratio Lower Upper

178 100

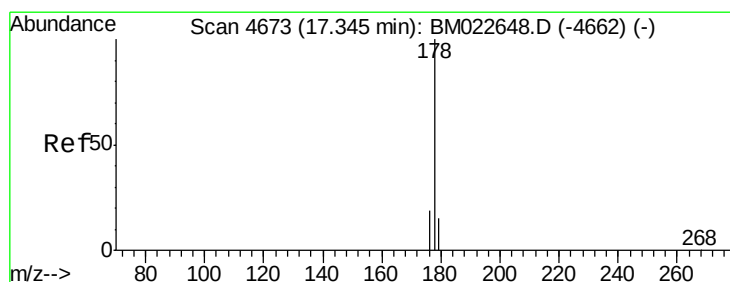
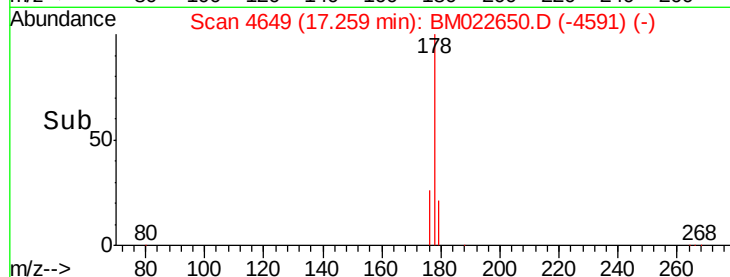
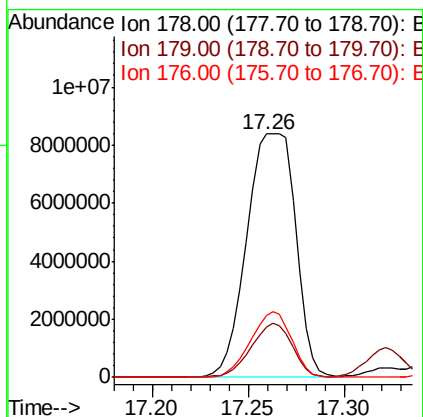
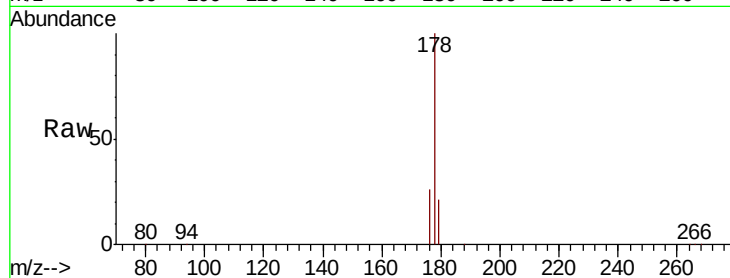
179 20.6 12.4 18.6#

176 25.5 15.3 22.9#

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#13

Anthracene

Concen: 4.078 ng/ul m

RT: 17.35 min Scan# 4675

Delta R.T. 0.00 min

Lab File: BM022650.D

Acq: 11 Sep 2019 10:49

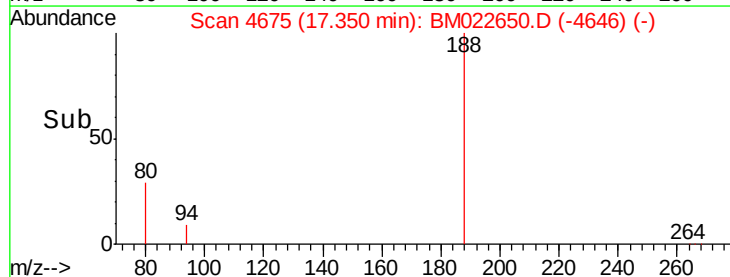
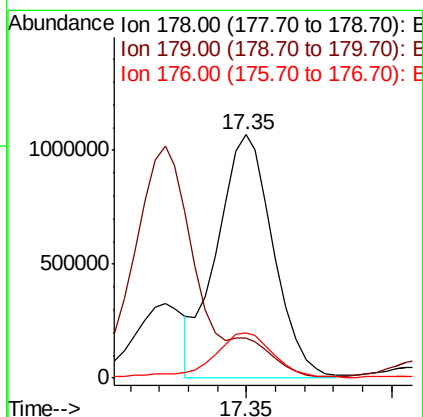
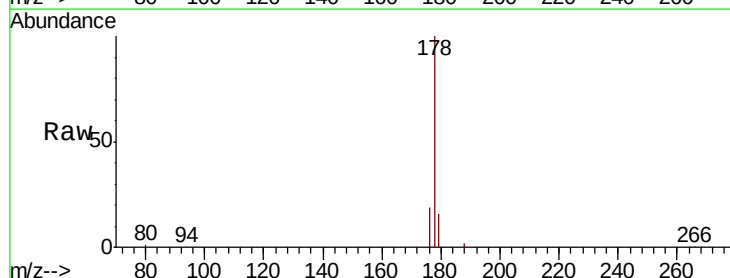
Tgt Ion:178 Resp: 1442714

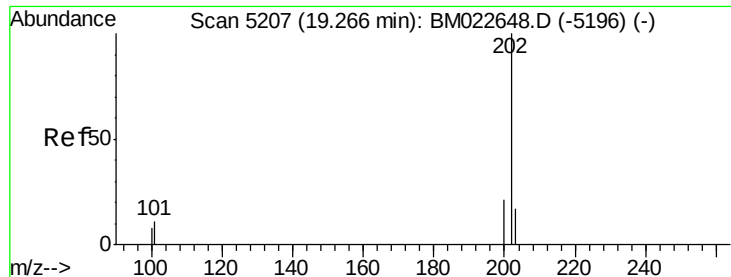
Ion Ratio Lower Upper

178 100

179 16.4 12.5 18.7

176 18.8 14.8 22.2





#15

Fluoranthene

Concen: 10.972 ng/ul m

RT: 19.27 min Scan# 5209

Delta R.T. 0.00 min

Lab File: BM022650.D

Acq: 11 Sep 2019 10:49

Instrument :

BNA_M

ClientSampleId :

BF568

Tot Ion:202 Resp: 4882336

Ion Ratio Lower Upper

202 100

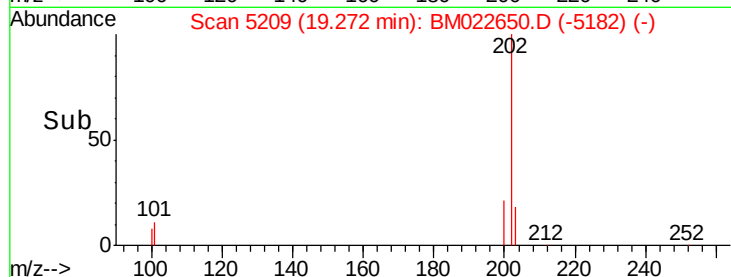
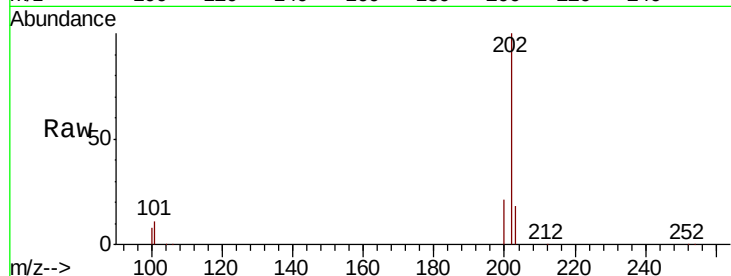
101 11.1 0.0 30.5

100 8.2 0.0 28.0

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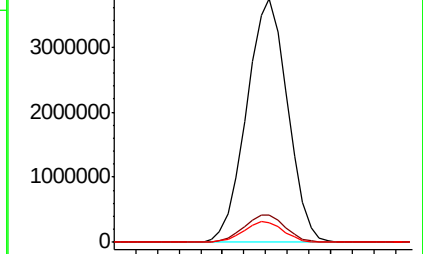
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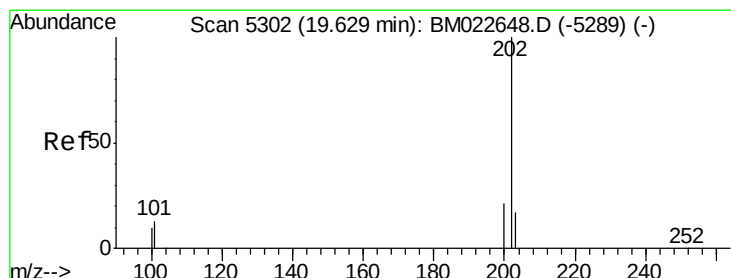
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



Time-->



#17

Pyrene

Concen: 6.699 ng/ul

RT: 19.63 min Scan# 5304

Delta R.T. 0.00 min

Lab File: BM022650.D

Acq: 11 Sep 2019 10:49

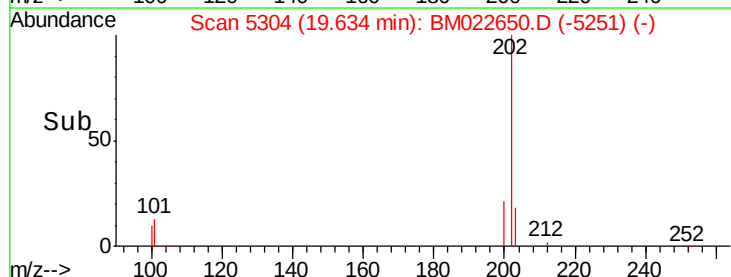
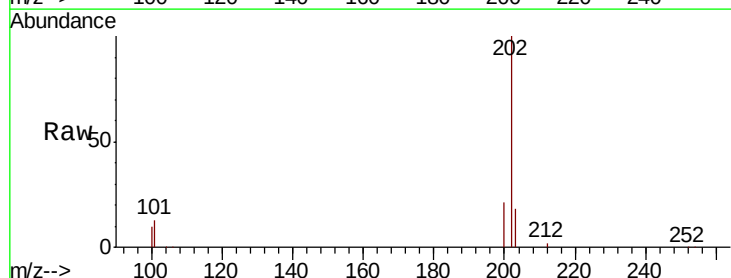
Tgt Ion:202 Resp: 3096578

Ion Ratio Lower Upper

202 100

101 12.8 10.0 15.0

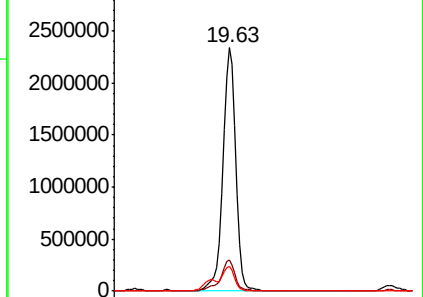
100 10.3 8.1 12.1



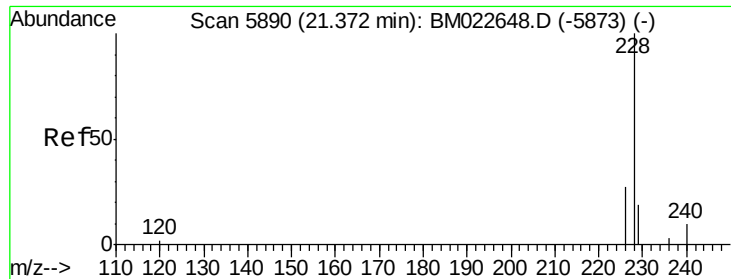
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



Time-->



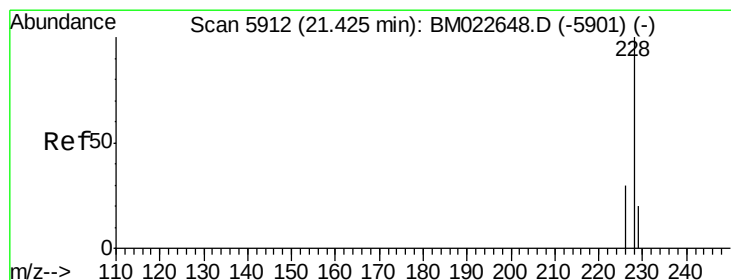
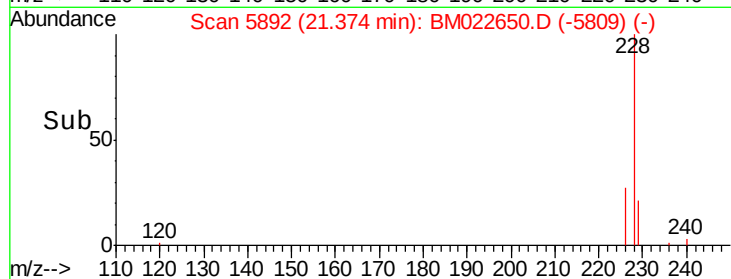
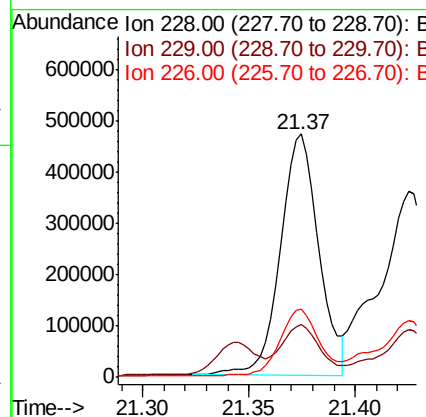
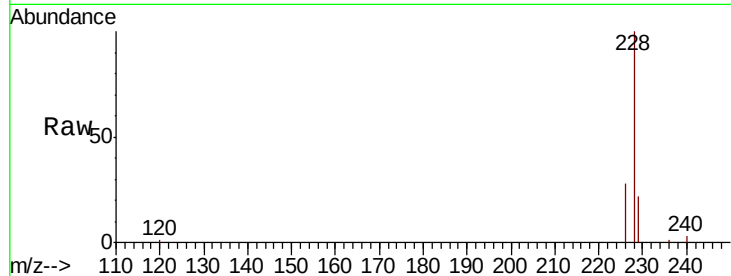
#18
Benzo(a)anthracene
Concen: 1.513 ng/ul
RT: 21.37 min Scan# 5892
Delta R.T. 0.00 min
Lab File: BM022650.D
Acq: 11 Sep 2019 10:49

Instrument :
BNA_M
ClientSampleId :
BF568

Tot Ion	Ratio	Lower	Upper
228	100		
229	21.7	15.6	23.4
226	27.8	22.0	33.0

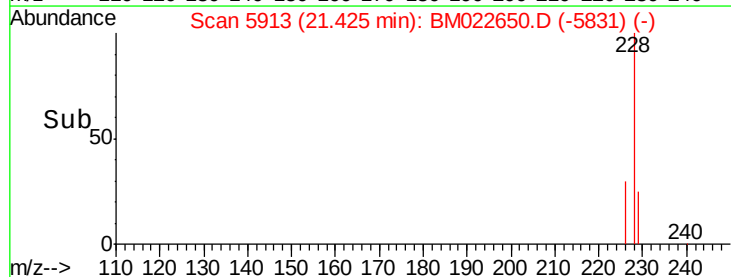
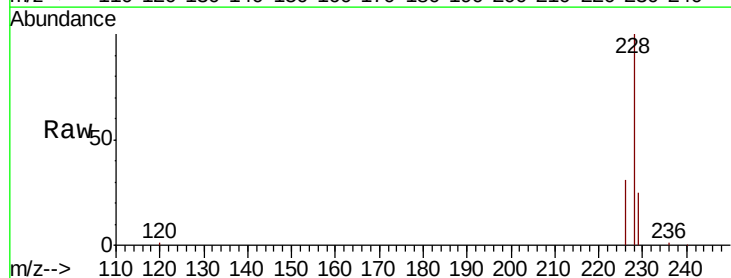
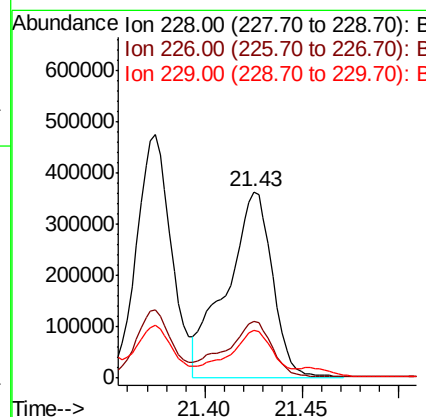
Manual Integrations
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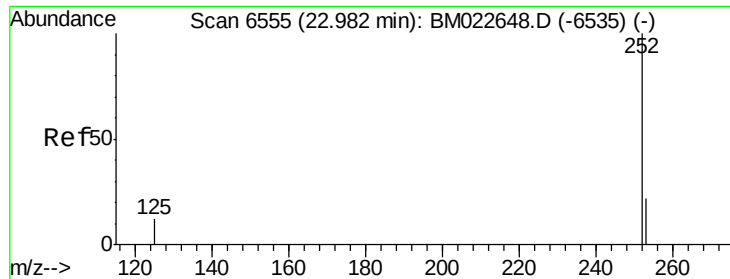
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#19
Chrysene
Concen: 1.460 ng/ul m
RT: 21.43 min Scan# 5913
Delta R.T. -0.00 min
Lab File: BM022650.D
Acq: 11 Sep 2019 10:49

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.6	23.8	35.8
229	25.4	15.5	23.3





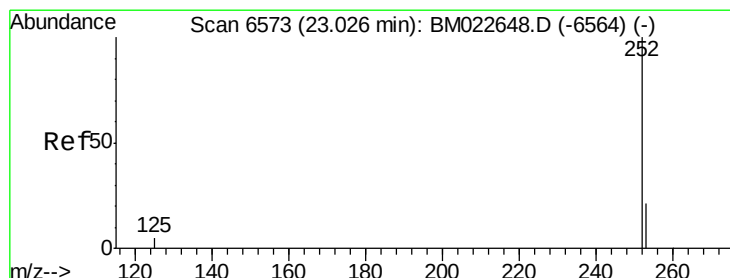
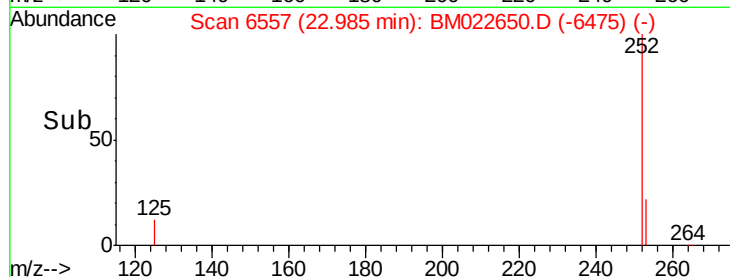
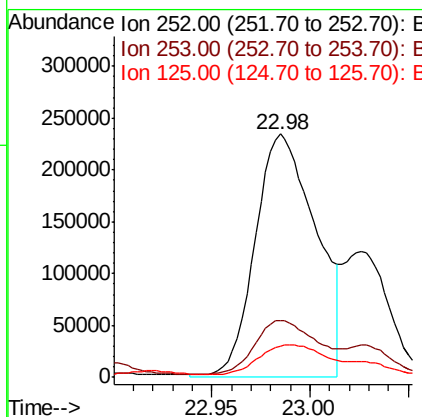
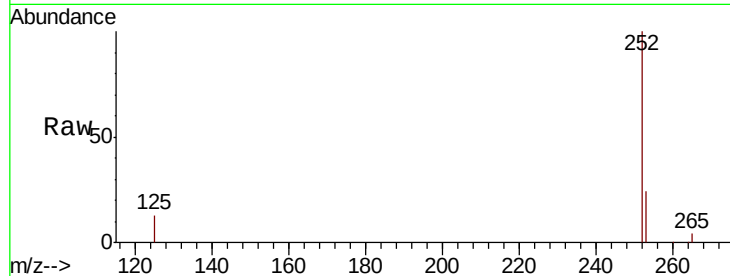
#21
Benzo(b)fluoranthene
Concen: 1.417 ng/ul m
RT: 22.98 min Scan# 6557
Delta R.T. -0.00 min
Lab File: BM022650.D
Acq: 11 Sep 2019 10:49

Instrument :
BNA_M
ClientSampleId :
BF568

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	23.6	0.0	48.4
125	12.7	0.0	31.2

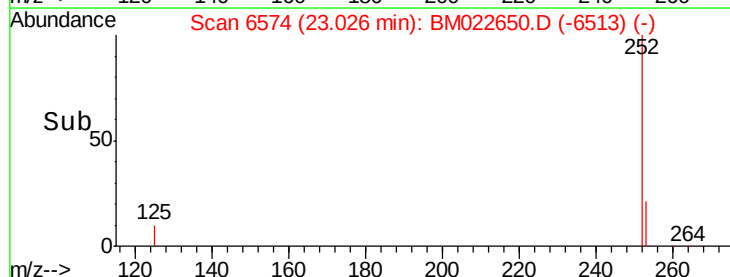
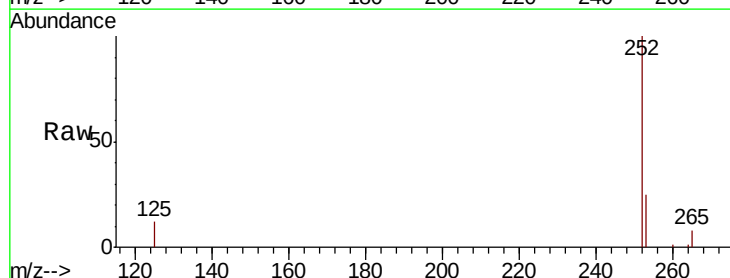
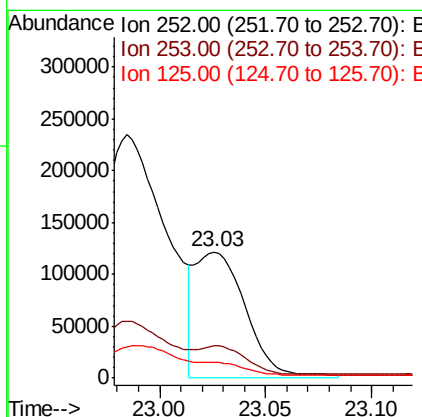
Manual Integrations
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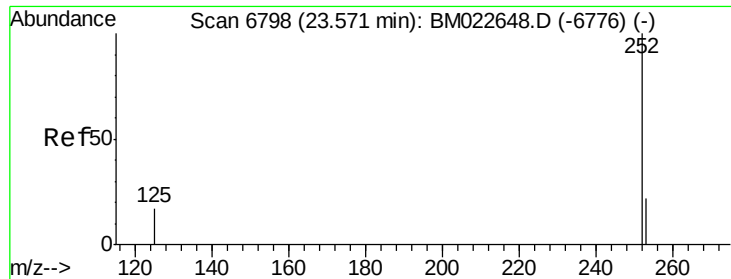
mohammad
9/16/2019 8:54:38 AM



#22
Benzo(k)fluoranthene
Concen: 0.552 ng/ul m
RT: 23.03 min Scan# 6574
Delta R.T. -0.00 min
Lab File: BM022650.D
Acq: 11 Sep 2019 10:49

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	25.3	19.5	29.3
125	12.3	11.2	16.8





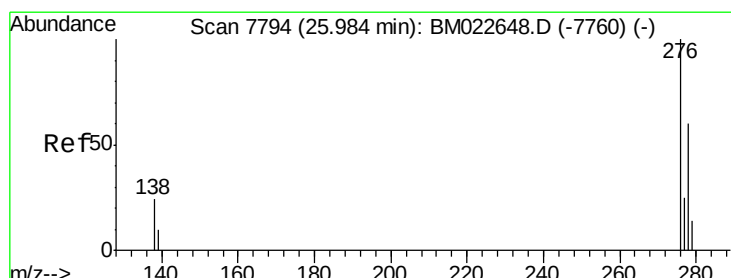
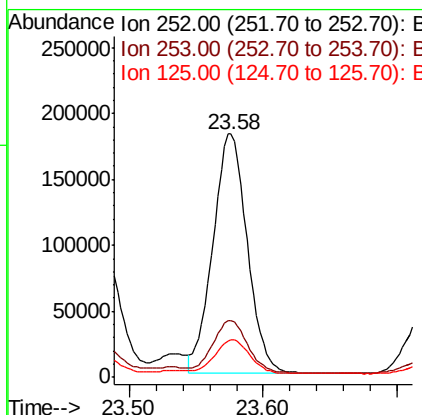
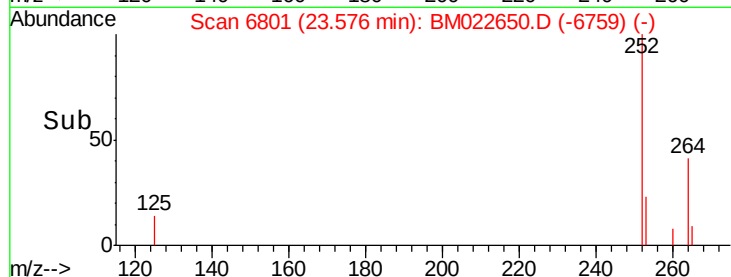
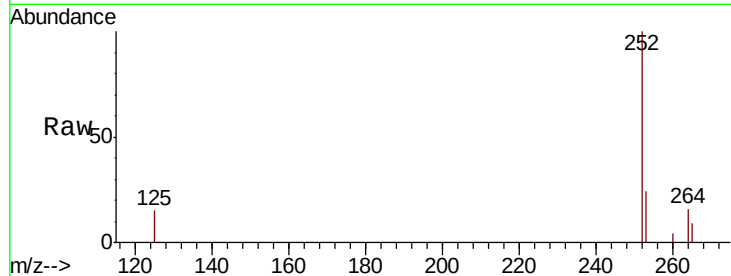
#23
Benzo(a)pyrene
Concen: 1.038 ng/ul
RT: 23.58 min Scan# 6801
Delta R.T. 0.00 min
Lab File: BM022650.D
Acq: 11 Sep 2019 10:49

Instrument :
BNA_M
ClientSampled :
BF568

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	23.5	20.2	30.2
125	15.4	15.7	23.5#

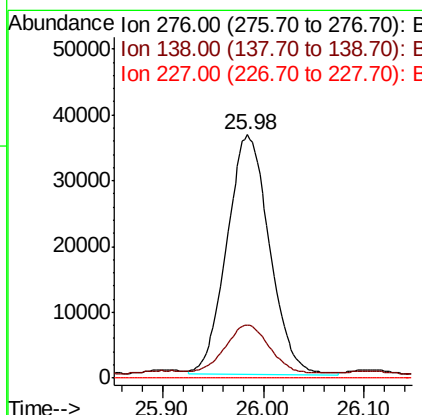
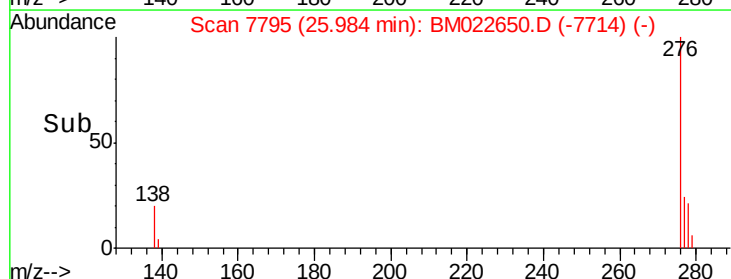
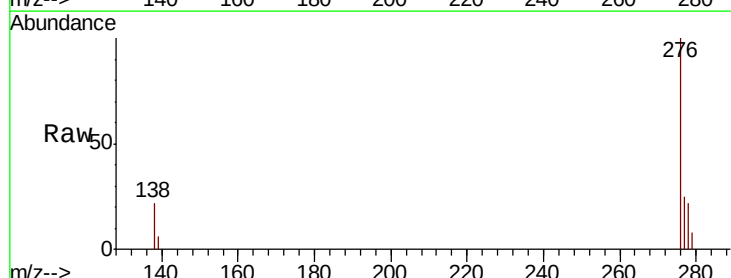
Manual Integrations
APPROVED

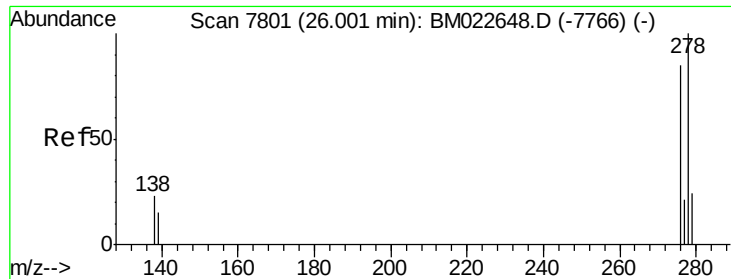
mohammad
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#24
Indeno(1,2,3-cd)pyrene
Concen: 0.279 ng/ul
RT: 25.98 min Scan# 7795
Delta R.T. -0.00 min
Lab File: BM022650.D
Acq: 11 Sep 2019 10:49

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
138	21.4	21.1	31.7
227	0.0	0.0	0.0





#25

Dibenzo(a,h)anthracene

Concen: 0.092 ng/ul

RT: 25.99 min Scan# 7798

Delta R.T. -0.01 min

Lab File: BM022650.D

Acq: 11 Sep 2019 10:49

Instrument :

BNA_M

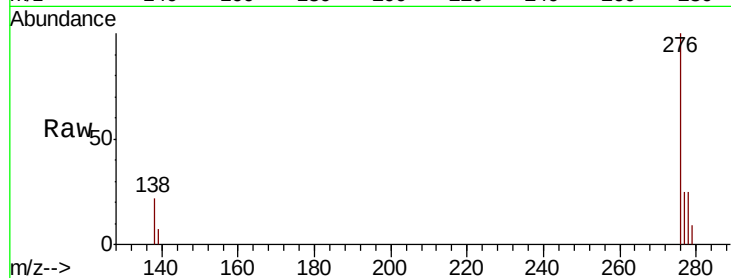
ClientSampleId :

BF568

Tot Ion:	278	Resp:	28587
Ion Ratio	Lower	Upper	
278	100		
139	26.3	13.8	20.6#
279	34.2	21.3	31.9#

Manual Integrations
APPROVED

mohammad
9/16/2019 8:54:38 AM

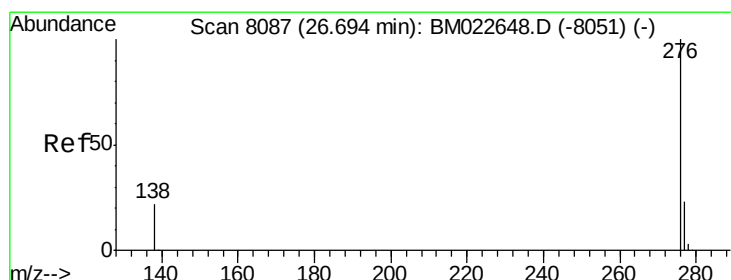
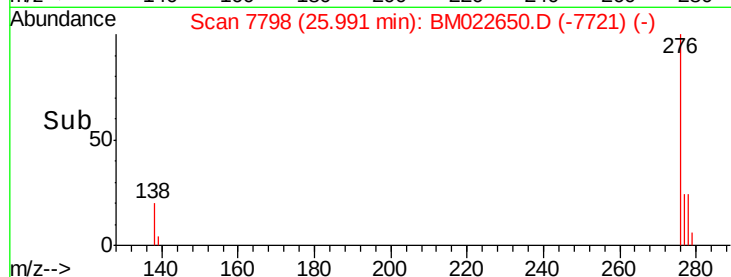
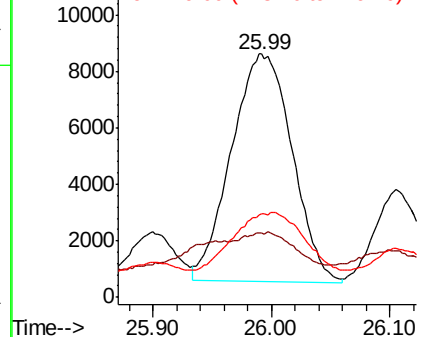


Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#26

Benzo(g,h,i)perylene

Concen: 0.262 ng/ul

RT: 26.69 min Scan# 8088

Delta R.T. -0.00 min

Lab File: BM022650.D

Acq: 11 Sep 2019 10:49

Tgt Ion:	276	Resp:	79802
Ion Ratio	Lower	Upper	
276	100		
138	22.6	18.2	27.4
277	24.7	19.2	28.8

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

