

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM091019\
 Data File : BM022657.D
 Acq On : 11 Sep 2019 15:05
 Operator : HP/JU
 Sample : K4706-09
 Misc :
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BF575

Manual Integrations
 APPROVED

mohammad
 9/16/2019 8:55:03 AM

Quant Time: Sep 12 01:38:39 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	17959	0.40	ng/ul	0.00
2) Naphthalene-d8	10.67	136	70378	0.40	ng/ul	0.03
6) Acenaphthene-d10	14.48	164	74305	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.22	188	98286m	0.40	ng/ul	0.00
16) Chrysene-d12	21.39	240	74460m	0.40	ng/ul	0.00
20) Perylene-d12	23.68	264	59472m	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.23	152	34658	0.30	ng/ul	0.00
14) Fluoranthene-d10	19.24	212	76500m	0.28	ng/ul	0.00
Target Compounds						
					Ovalue	
3) Naphthalene	10.69	128	55511455	276.823	ng/ul#	91
5) 2-Methylnaphthalene	12.31	142	28412489	206.672	ng/ul	92
7) Acenaphthylene	14.20	152	1204490	3.502	ng/ul#	96
8) Acenaphthene	14.55	153	13033333	45.264	ng/ul	95
9) Fluorene	15.53	166	9655402	29.266	ng/ul	98
11) Pentachlorophenol	16.87	266	2726m	0.137	ng/ul	
12) Phenanthrene	17.26	178	13177826m	42.083	ng/ul	
13) Anthracene	17.35	178	1157038m	4.307	ng/ul	
15) Fluoranthene	19.27	202	4859249m	14.380	ng/ul	
17) Pyrene	19.63	202	3086538	9.144	ng/ul	99
18) Benzo(a)anthracene	21.38	228	527822	1.852	ng/ul	98
19) Chrysene	21.43	228	346132m	1.154	ng/ul	
21) Benzo(b)fluoranthene	22.99	252	342401m	1.325	ng/ul	
22) Benzo(k)fluoranthene	23.03	252	111701m	0.424	ng/ul	
23) Benzo(a)pyrene	23.58	252	205877	0.911	ng/ul	96
24) Indeno(1,2,3-cd)pyrene	25.99	276	66391	0.241	ng/ul#	90
25) Dibenzo(a,h)anthracene	25.99	278	17375	0.078	ng/ul#	70
26) Benzo(g,h,i)perylene	26.70	276	50240	0.229	ng/ul	98

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

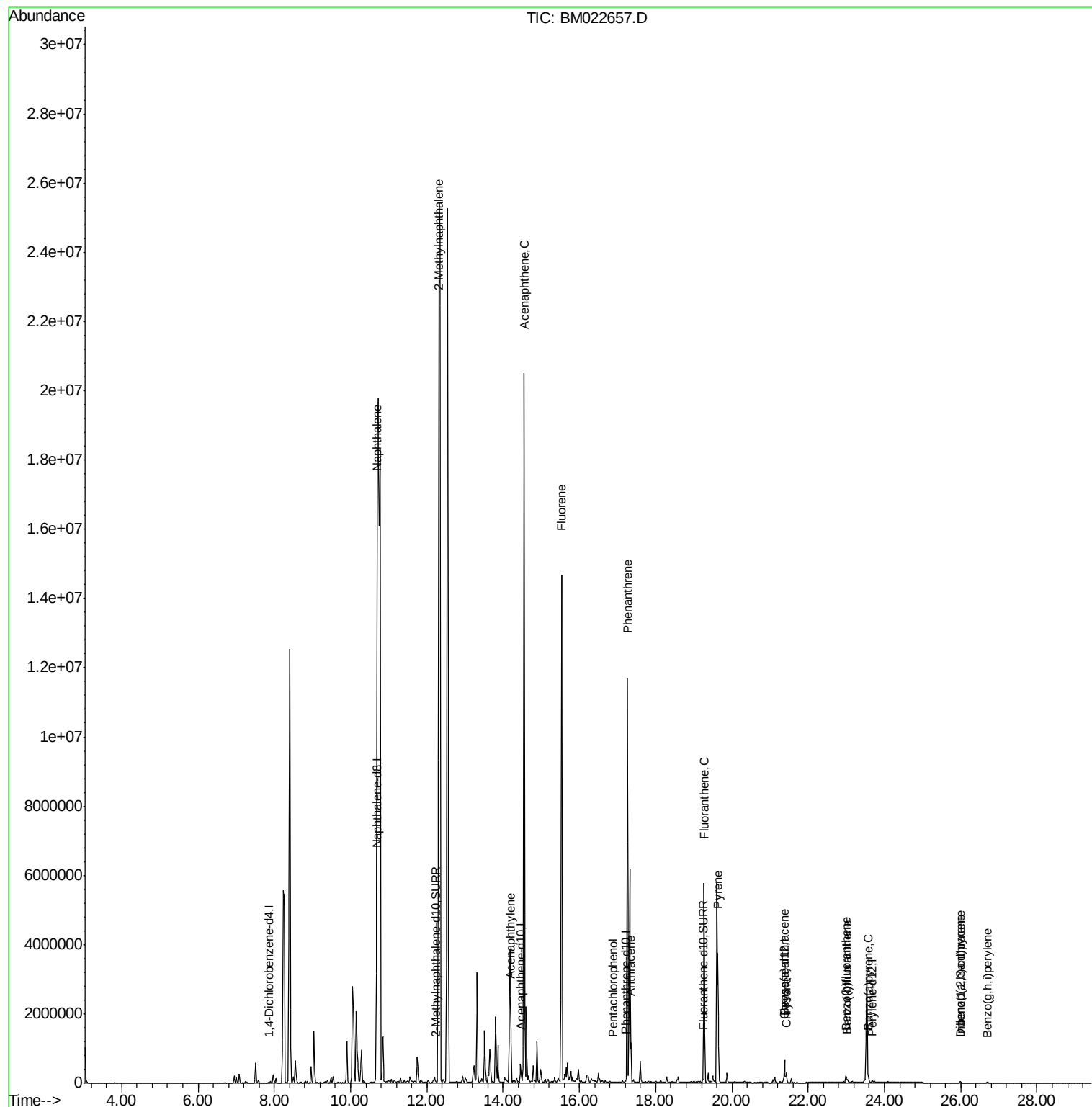
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM091019\
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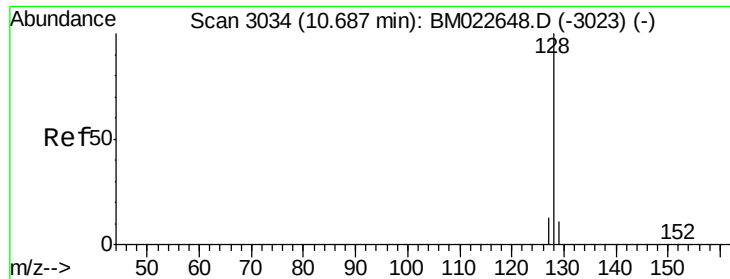
Instrument :
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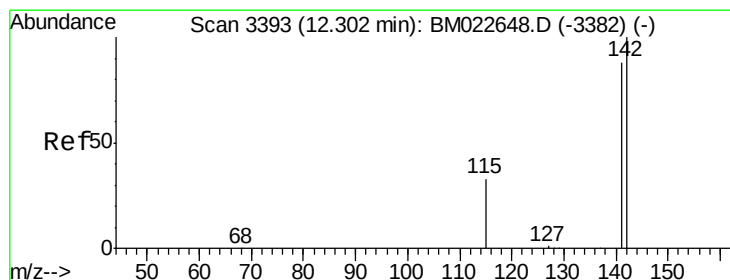
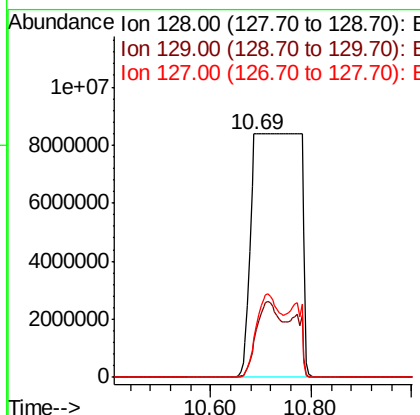
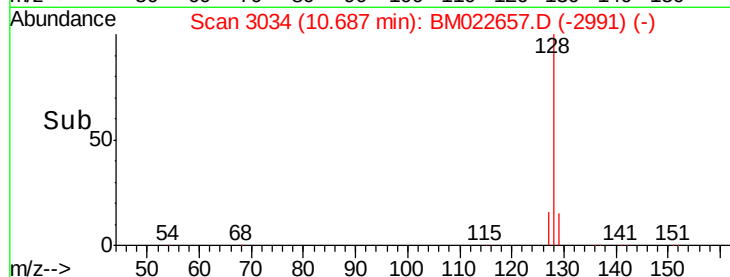
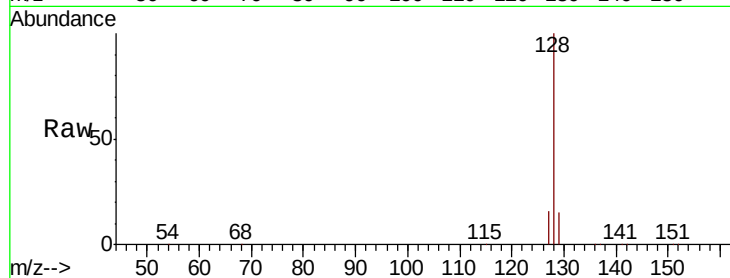
#3
Naphthalene
Concen: 276.823 ng/ul
RT: 10.69 min Scan# 3034
Delta R.T. -0.00 min
Lab File: BM022657.D
Acq: 11 Sep 2019 15:05

Instrument :
BNA_M
ClientSampleId :
BF575

Tot Ion:128 Resp:55511455
Ion Ratio Lower Upper
128 100
129 15.0 8.8 13.2#
127 16.1 10.4 15.6#

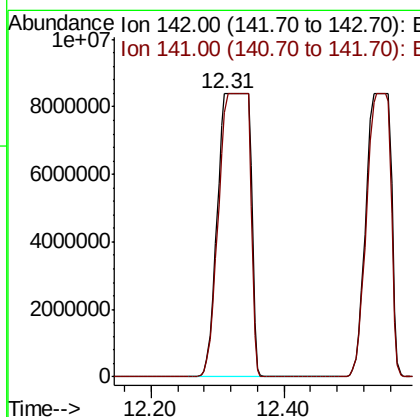
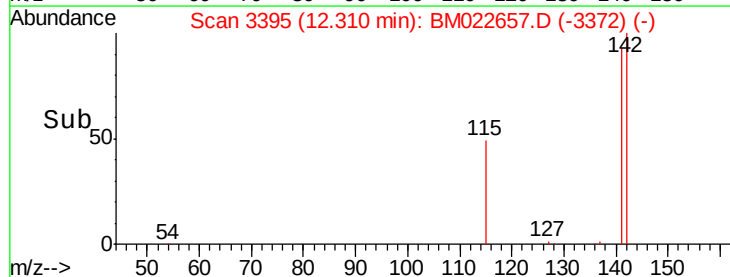
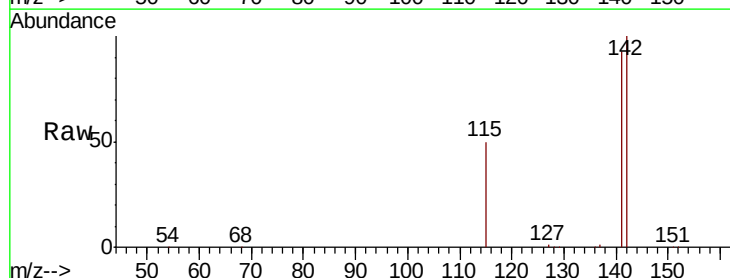
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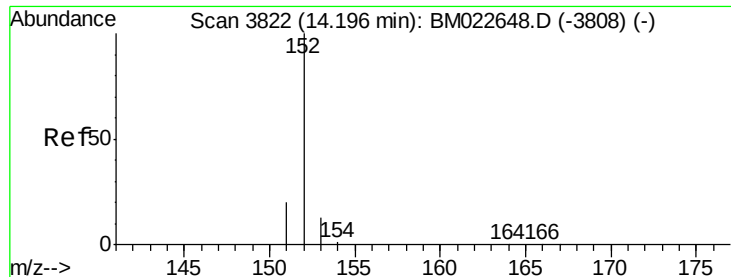
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#5
2-Methylnaphthalene
Concen: 206.672 ng/ul
RT: 12.31 min Scan# 3395
Delta R.T. 0.00 min
Lab File: BM022657.D
Acq: 11 Sep 2019 15:05

Tgt Ion:142 Resp:28412489
Ion Ratio Lower Upper
142 100
141 95.6 70.8 106.2





#7

Acenaphthylene

Concen: 3.502 ng/ul

RT: 14.20 min Scan# 3823

Delta R.T. -0.00 min

Lab File: BM022657.D

Acq: 11 Sep 2019 15:05

Instrument :

BNA_M

ClientSampleId :

BF575

Tot Ion:152 Resp: 1204490

Ion Ratio Lower Upper

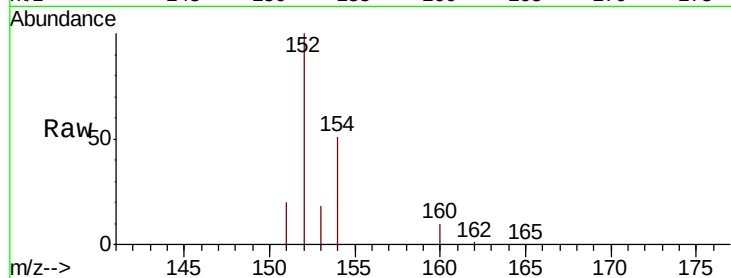
152 100

151 19.8 15.8 23.8

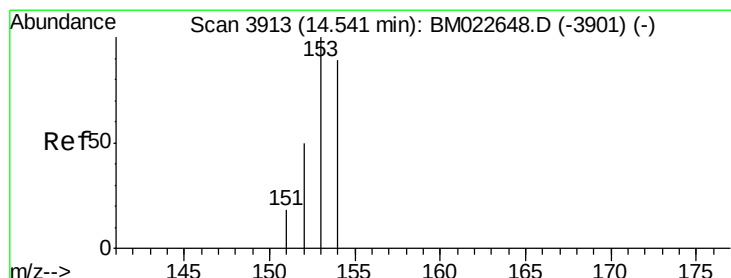
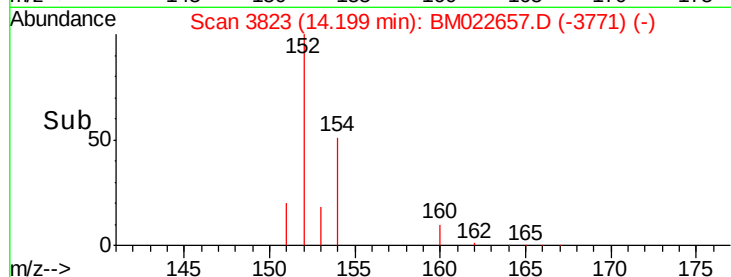
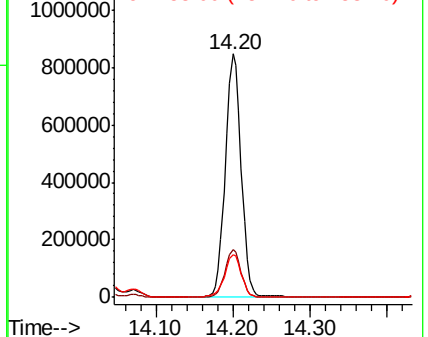
153 17.7 10.7 16.1#

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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: 45.264 ng/ul

RT: 14.55 min Scan# 3916

Delta R.T. 0.01 min

Lab File: BM022657.D

Acq: 11 Sep 2019 15:05

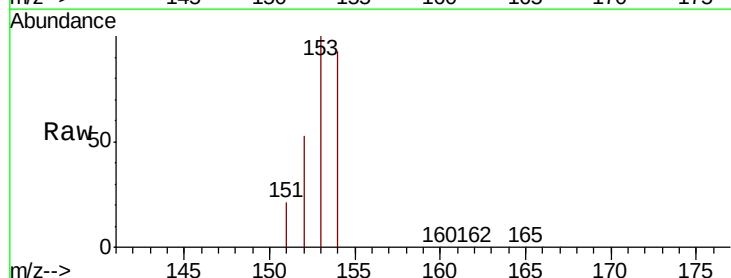
Tgt Ion:153 Resp:13033333

Ion Ratio Lower Upper

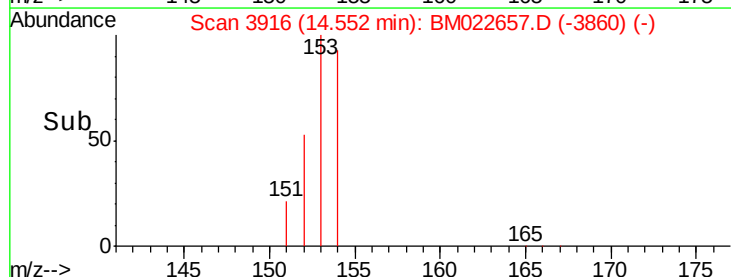
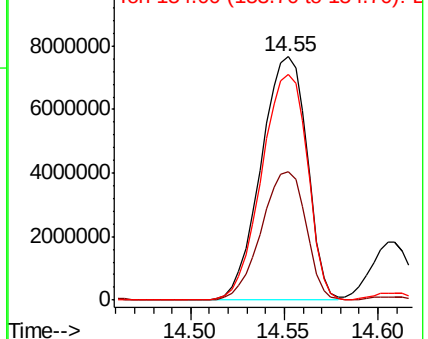
153 100

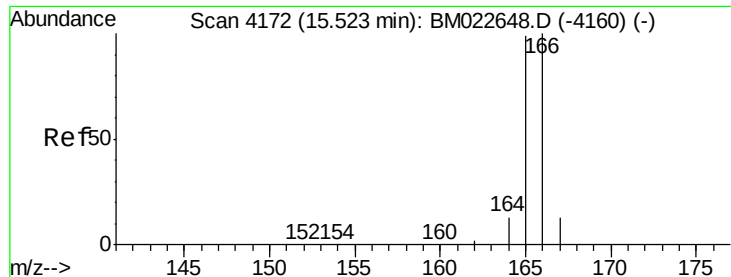
152 52.9 40.7 61.1

154 92.7 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: 29.266 ng/ul

RT: 15.53 min Scan# 4175

Delta R.T. 0.01 min

Lab File: BM022657.D

Acq: 11 Sep 2019 15:05

Instrument :

BNA_M

ClientSampleId :

BF575

Tot Ion:166 Resp: 9655402

Ion Ratio Lower Upper

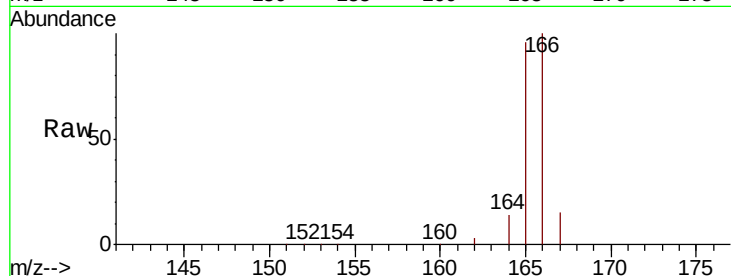
166 100

165 95.7 78.2 117.2

167 14.9 10.8 16.2

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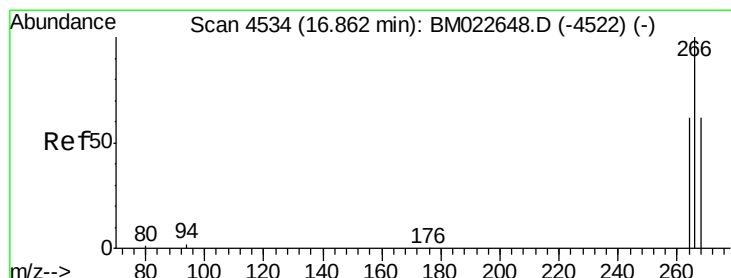
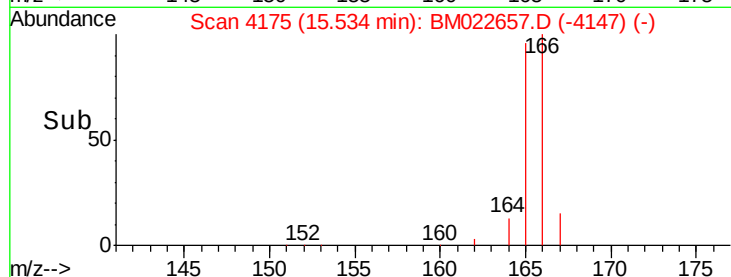
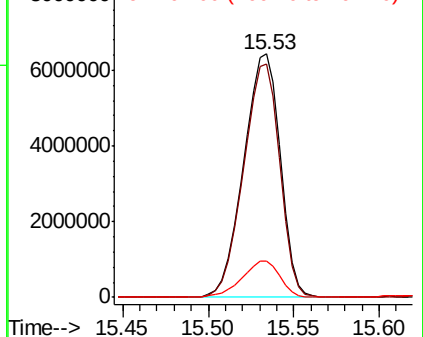


Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#11

Pentachlorophenol

Concen: 0.137 ng/ul m

RT: 16.87 min Scan# 4536

Delta R.T. 0.00 min

Lab File: BM022657.D

Acq: 11 Sep 2019 15:05

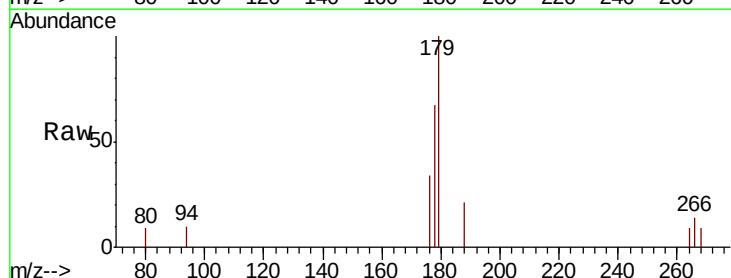
Tgt Ion:266 Resp: 2726

Ion Ratio Lower Upper

266 100

264 2.5 50.4 75.6#

268 4.1 51.3 76.9#

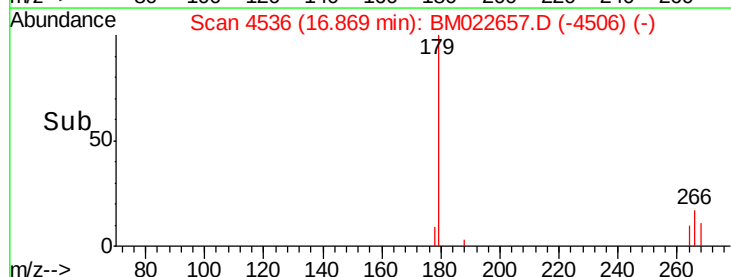
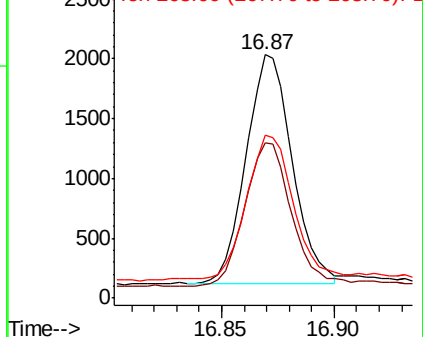


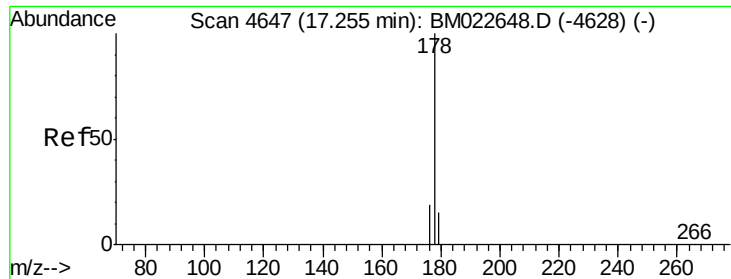
Abundance

Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 42.083 ng/ul m

RT: 17.26 min Scan# 4649

Delta R.T. 0.00 min

Lab File: BM022657.D

Acq: 11 Sep 2019 15:05

Instrument :

BNA_M

ClientSampleId :

BF575

Tot Ion:178 Resp:13177826

Ion Ratio Lower Upper

178 100

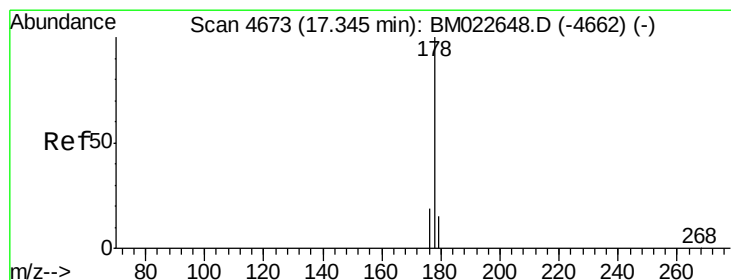
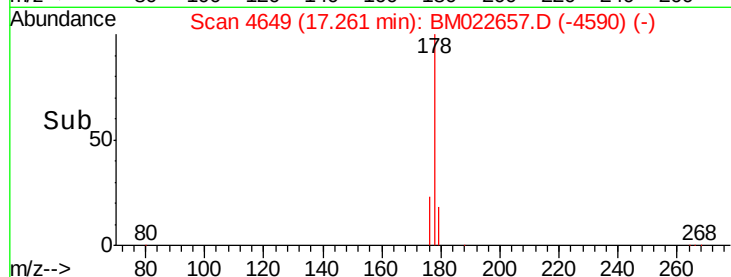
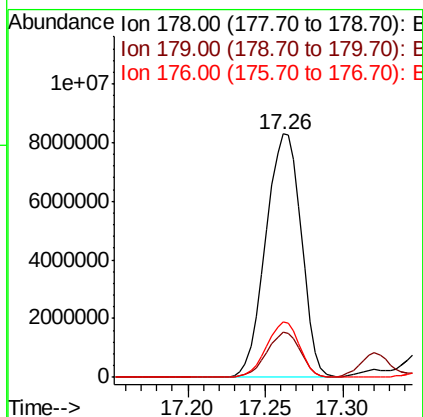
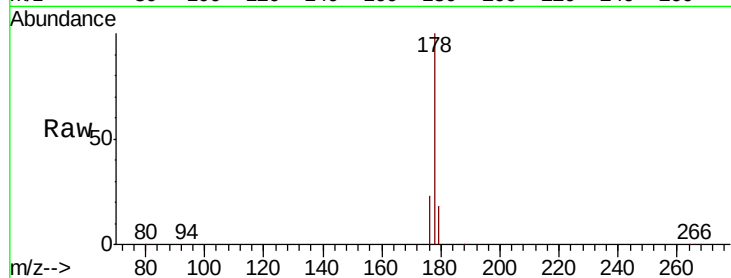
179 18.4 12.4 18.6

176 22.6 15.3 22.9

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#13

Anthracene

Concen: 4.307 ng/ul m

RT: 17.35 min Scan# 4674

Delta R.T. -0.00 min

Lab File: BM022657.D

Acq: 11 Sep 2019 15:05

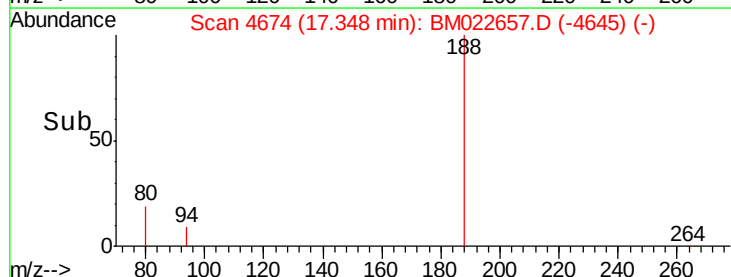
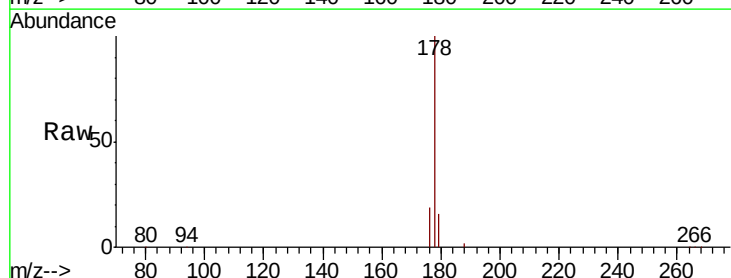
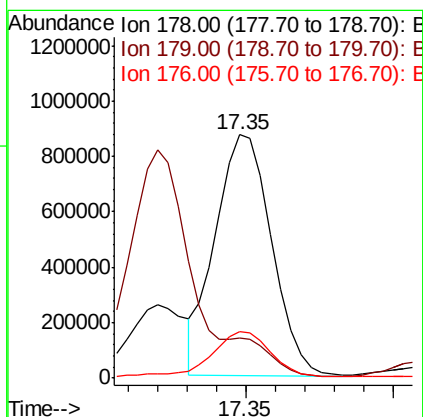
Tgt Ion:178 Resp: 1157038

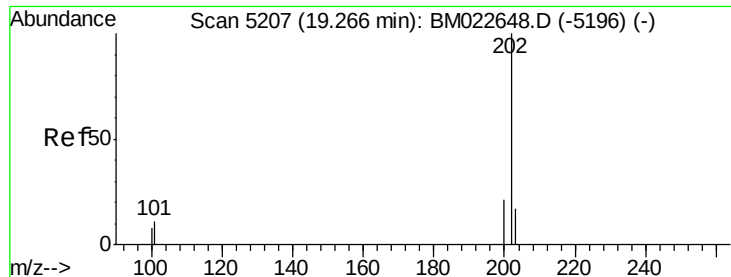
Ion Ratio Lower Upper

178 100

179 16.4 12.5 18.7

176 19.0 14.8 22.2





#15

Fluoranthene

Concen: 14.380 ng/ul m

RT: 19.27 min Scan# 5208

Delta R.T. -0.00 min

Lab File: BM022657.D

Acq: 11 Sep 2019 15:05

Instrument :

BNA_M

ClientSampleId :

BF575

Tot Ion:202 Resp: 4859249

Ion Ratio Lower Upper

202 100

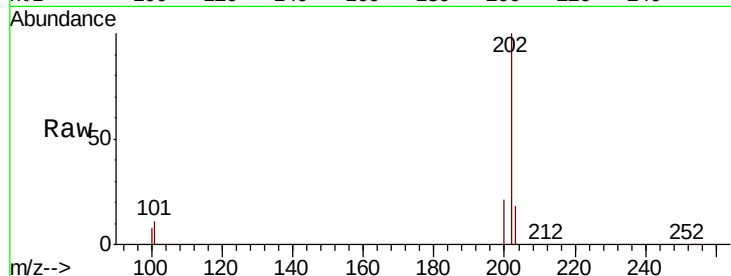
101 11.3 0.0 30.5

100 8.4 0.0 28.0

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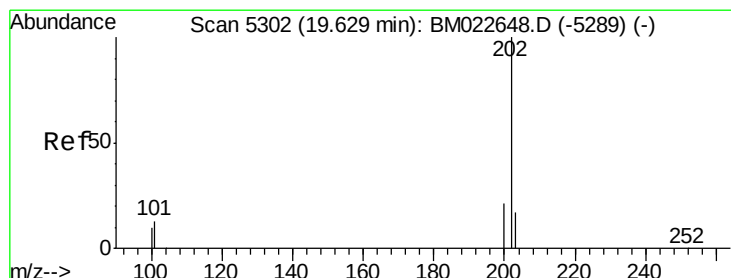
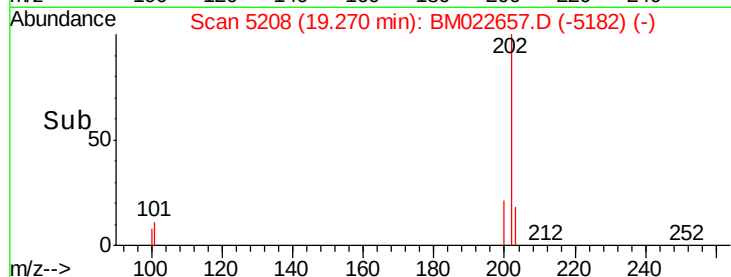
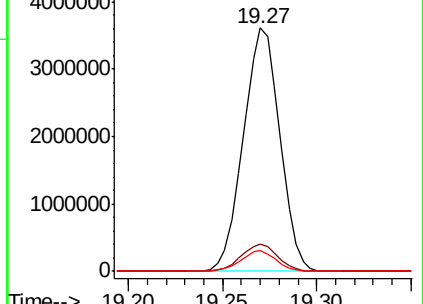
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#17

Pyrene

Concen: 9.144 ng/ul

RT: 19.63 min Scan# 5303

Delta R.T. -0.00 min

Lab File: BM022657.D

Acq: 11 Sep 2019 15:05

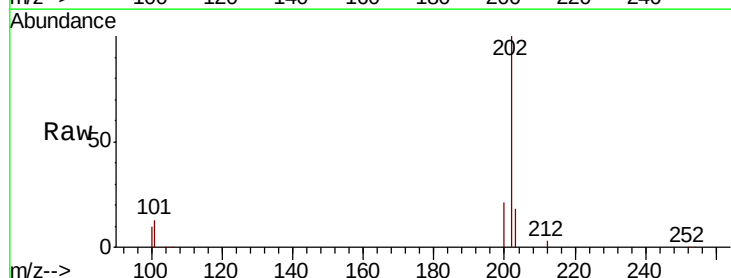
Tgt Ion:202 Resp: 3086538

Ion Ratio Lower Upper

202 100

101 12.8 10.0 15.0

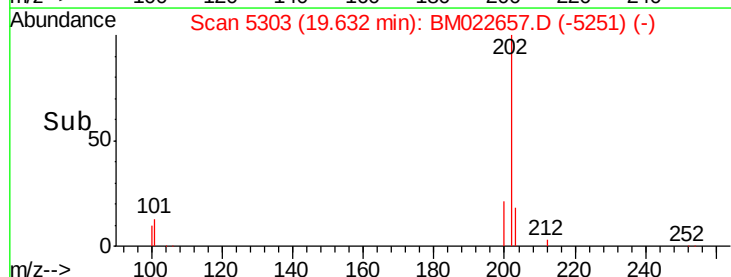
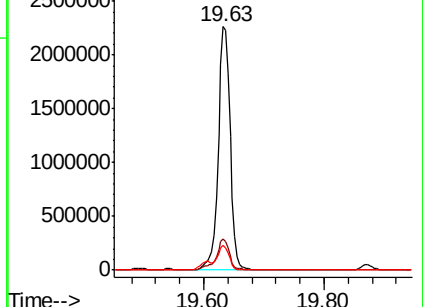
100 10.2 8.1 12.1

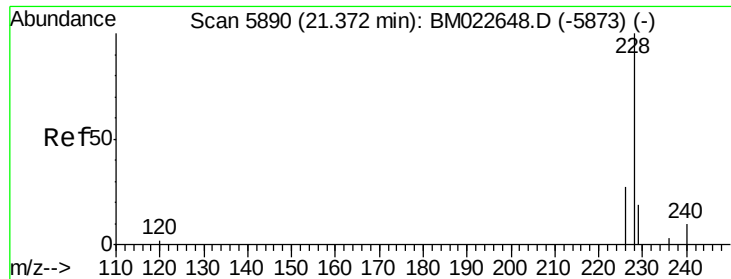


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





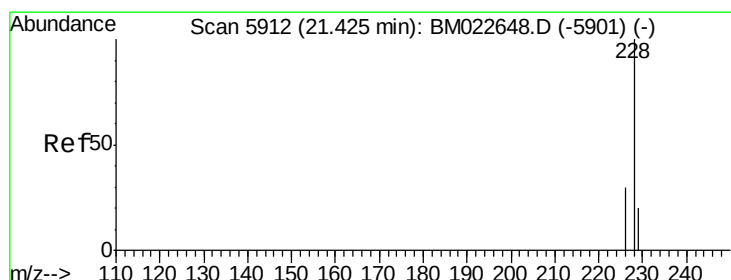
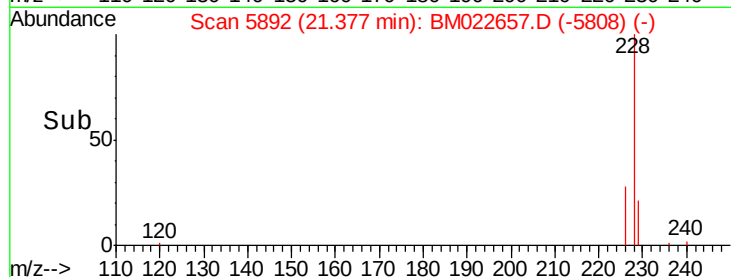
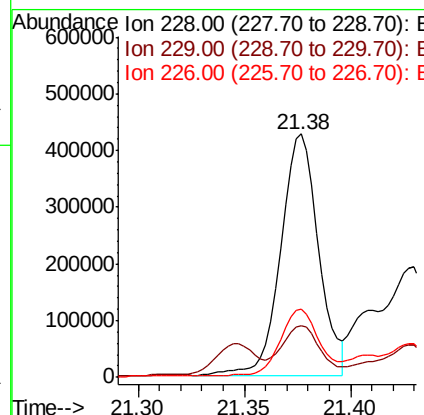
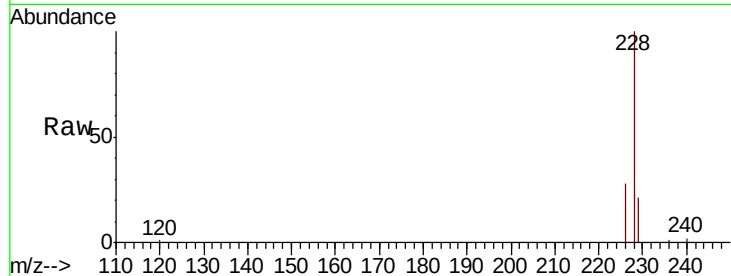
#18
Benzo(a)anthracene
Concen: 1.852 ng/ul
RT: 21.38 min Scan# 5892
Delta R.T. 0.00 min
Lab File: BM022657.D
Acq: 11 Sep 2019 15:05

Instrument :
BNA_M
ClientSampled :
BF575

Tot Ion	Ratio	Lower	Upper
228	100		
229	21.3	15.6	23.4
226	28.2	22.0	33.0

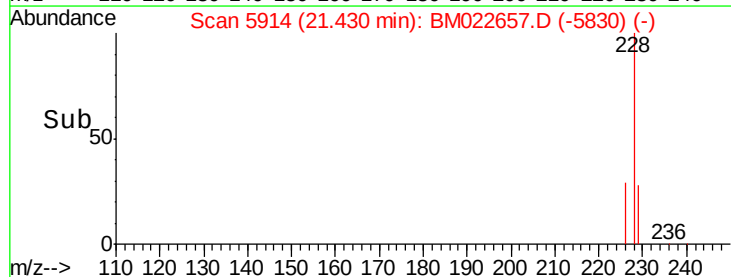
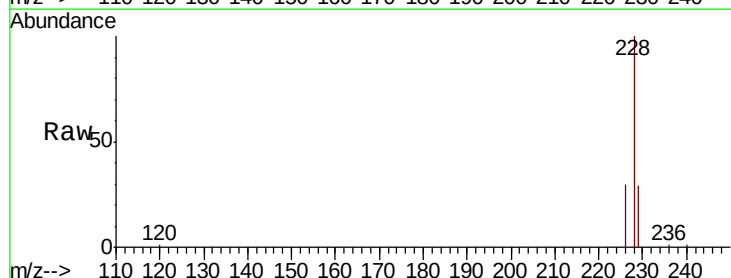
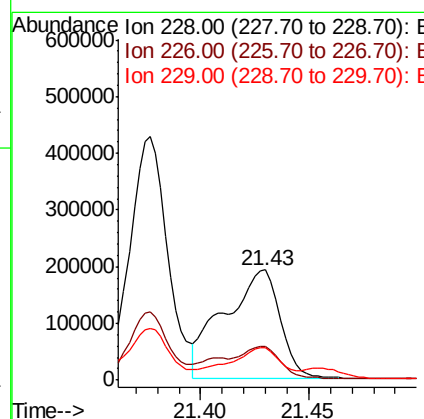
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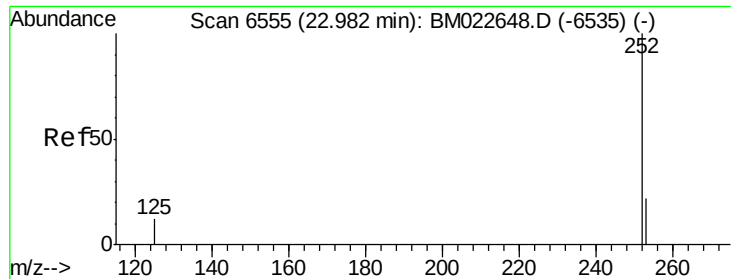
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#19
Chrysene
Concen: 1.154 ng/ul m
RT: 21.43 min Scan# 5914
Delta R.T. 0.00 min
Lab File: BM022657.D
Acq: 11 Sep 2019 15:05

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.2	23.8	35.8
229	29.0	15.5	23.3#





#21

Benzo(b)fluoranthene

Concen: 1.325 ng/ul m

RT: 22.99 min Scan# 6558

Delta R.T. 0.00 min

Lab File: BM022657.D

Acq: 11 Sep 2019 15:05

Instrument :

BNA_M

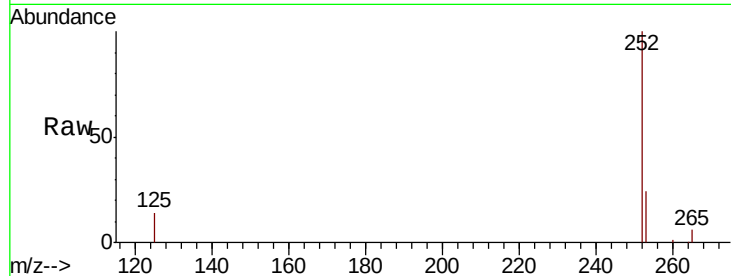
ClientSampleId :

BF575

Tot Ion:	252	Resp:	342401
Ion Ratio	Lower	Upper	
252	100		
253	24.0	0.0	48.4
125	14.3	0.0	31.2

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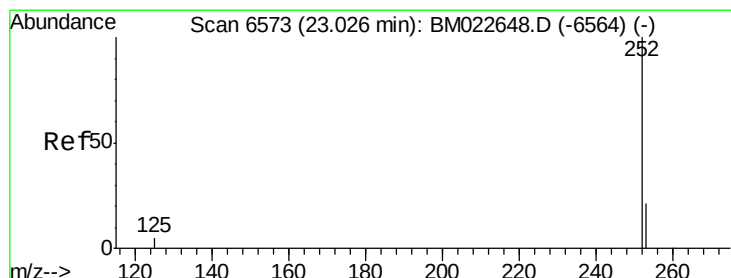
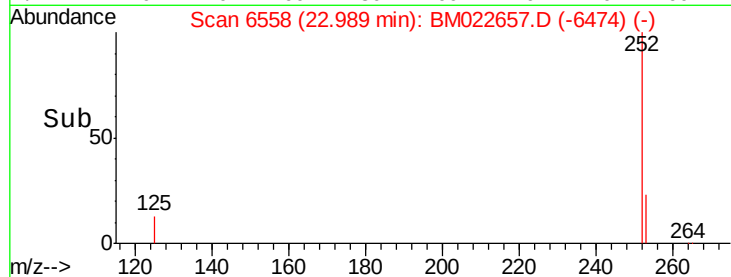
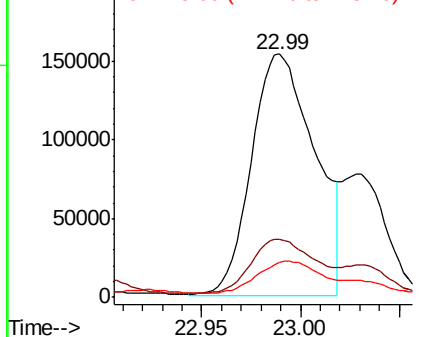


Abundance

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



#22

Benzo(k)fluoranthene

Concen: 0.424 ng/ul m

RT: 23.03 min Scan# 6575

Delta R.T. 0.00 min

Lab File: BM022657.D

Acq: 11 Sep 2019 15:05

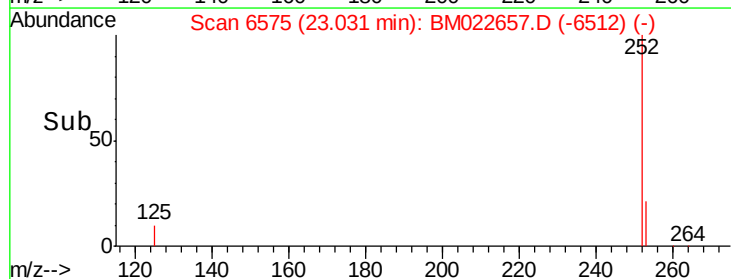
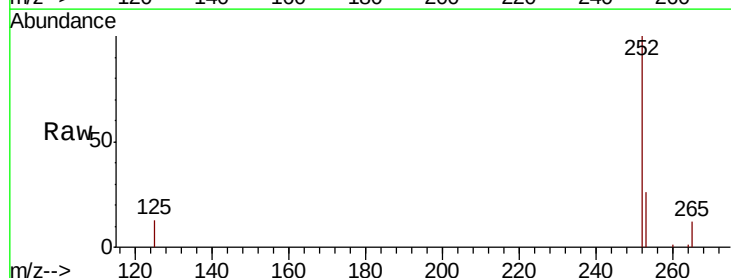
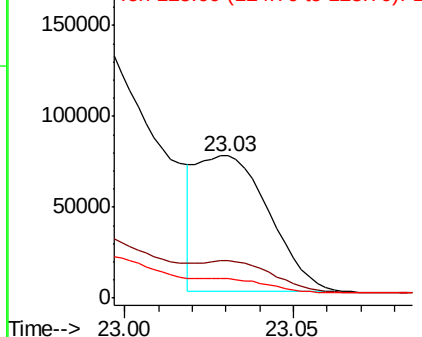
Tgt Ion:	252	Resp:	111701
Ion Ratio	Lower	Upper	
252	100		
253	26.4	19.5	29.3
125	13.3	11.2	16.8

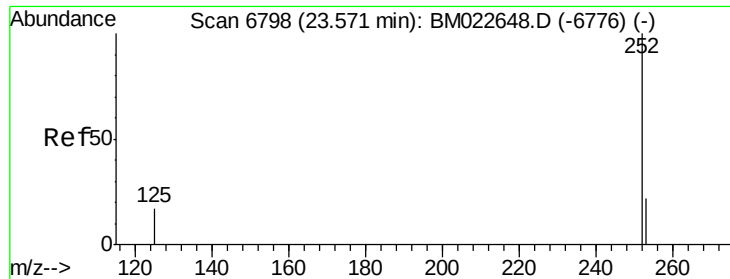
Abundance

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





#23

Benzo(a)pyrene

Concen: 0.911 ng/ul

RT: 23.58 min Scan# 6801

Delta R.T. 0.00 min

Lab File: BM022657.D

Acq: 11 Sep 2019 15:05

Instrument :

BNA_M

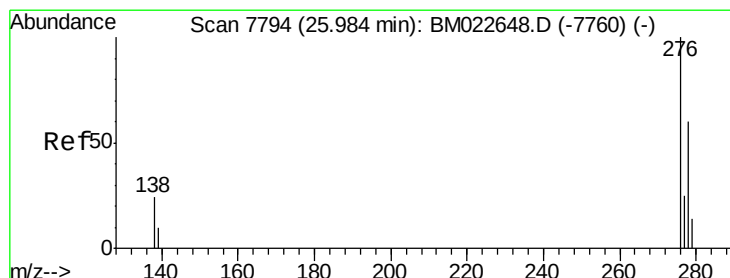
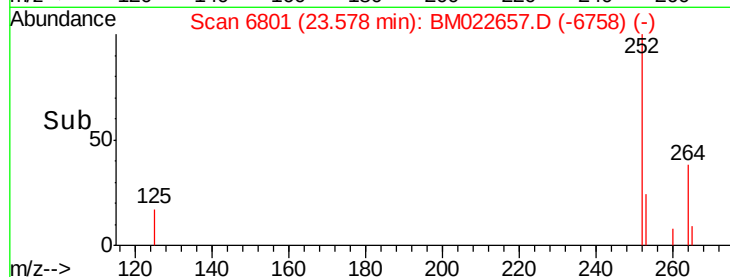
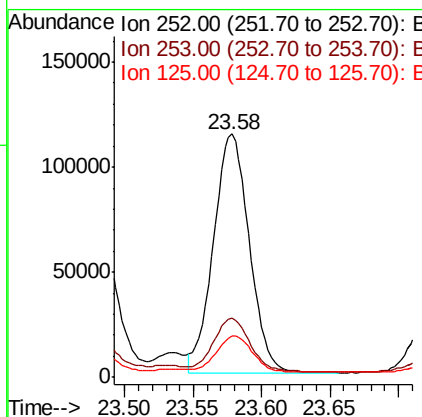
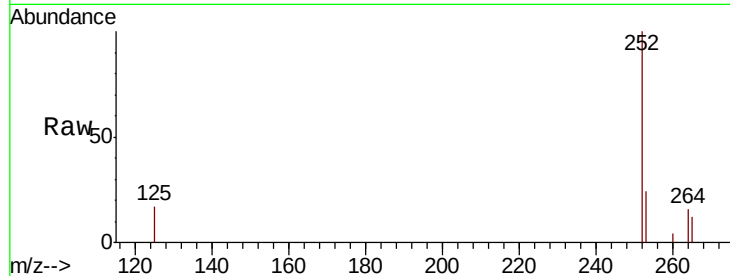
ClientSampleId :

BF575

Tot Ion:	252	Resp:	205877
Ion Ratio	Lower	Upper	
252	100		
253	24.4	20.2	30.2
125	16.8	15.7	23.5

Manual Integrations
APPROVED

mohammad
9/16/2019 8:55:03 AM



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.241 ng/ul

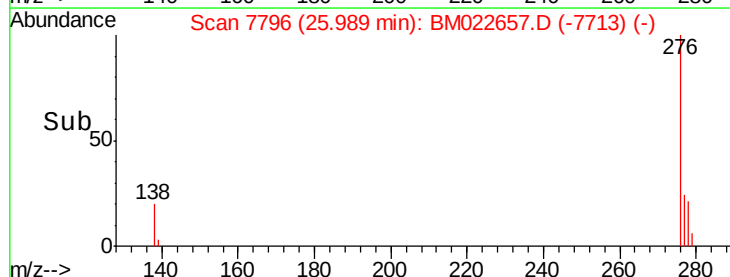
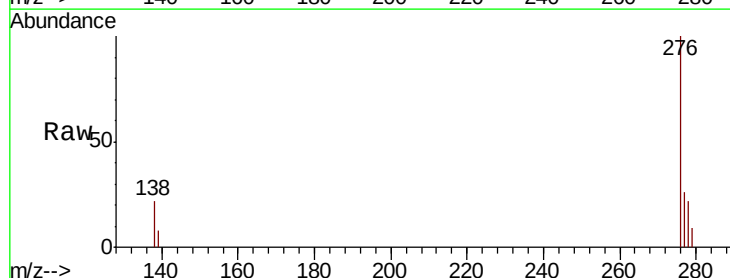
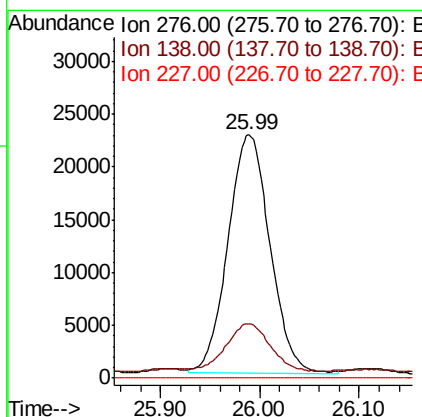
RT: 25.99 min Scan# 7796

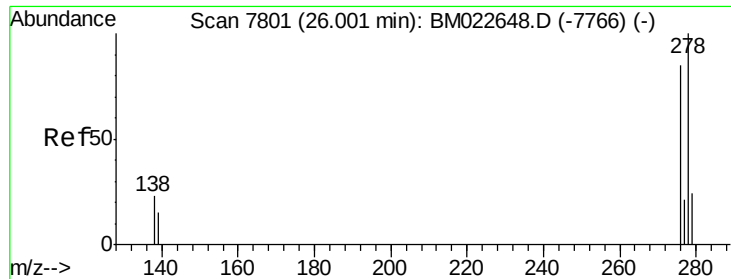
Delta R.T. -0.00 min

Lab File: BM022657.D

Acq: 11 Sep 2019 15:05

Tgt Ion:	276	Resp:	66391
Ion Ratio	Lower	Upper	
276	100		
138	21.2	21.1	31.7
227	0.0	0.0	0.0





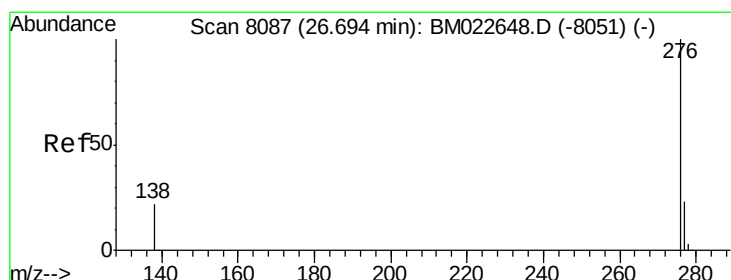
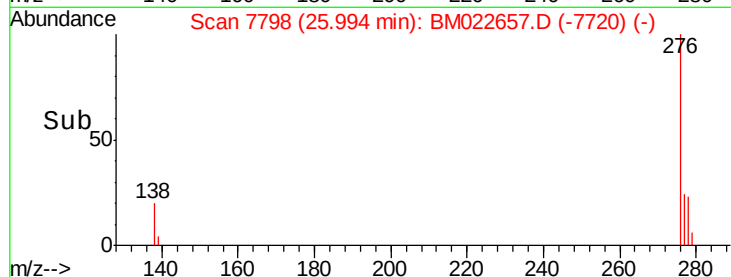
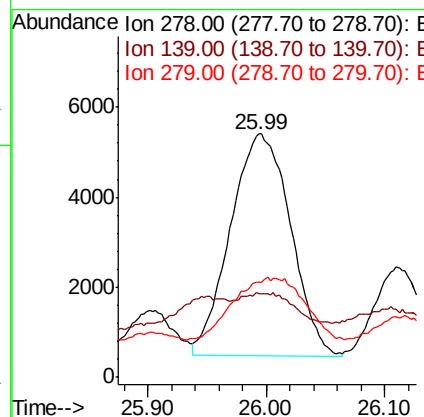
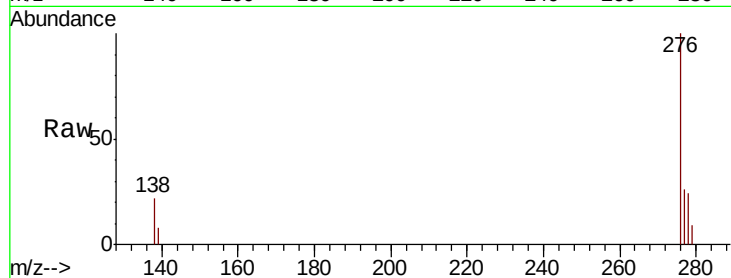
#25
Dibenzo(a,h)anthracene
Concen: 0.078 ng/ul
RT: 25.99 min Scan# 7798
Delta R.T. -0.01 min
Lab File: BM022657.D
Acq: 11 Sep 2019 15:05

Instrument :
BNA_M
ClientSampleId :
BF575

Tot Ion	Ratio	Lower	Upper
278	100		
139	34.2	13.8	20.6#
279	39.1	21.3	31.9#

Manual Integrations
APPROVED

mohammad
9/16/2019 8:55:03 AM



#26
Benzo(g,h,i)perylene
Concen: 0.229 ng/ul
RT: 26.70 min Scan# 8089
Delta R.T. 0.00 min
Lab File: BM022657.D
Acq: 11 Sep 2019 15:05

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.1	18.2	27.4
277	25.6	19.2	28.8

