

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM091019\
 Data File : BM022622.D
 Acq On : 10 Sep 2019 16:31
 Operator : HP/JU
 Sample : K4708-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CB5P8

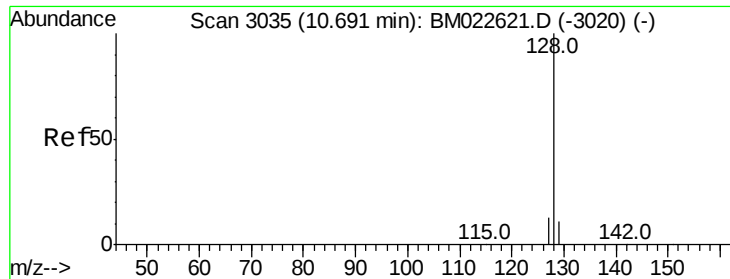
Manual Integrations
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mohammad
 9/11/2019 8:21:20 AM

Quant Time: Sep 10 17:16:08 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	16076	0.40	ng/ul	0.00
2) Naphthalene-d8	10.64	136	67447	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.48	164	37229	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.21	188	81568m	0.40	ng/ul	0.00
16) Chrysene-d12	21.39	240	61021m	0.40	ng/ul	0.00
20) Perylene-d12	23.67	264	48920m	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.23	152	33978	0.31	ng/ul	0.00
14) Fluoranthene-d10	19.24	212	77325m	0.35	ng/ul	0.00
Target Compounds					Ovalue	
3) Naphthalene	10.69	128	84664	0.441	ng/ul	99
5) 2-Methylnaphthalene	12.30	142	36207	0.275	ng/ul	100
7) Acenaphthylene	14.20	152	52600	0.305	ng/ul	97
8) Acenaphthene	14.54	153	188216	1.305	ng/ul	98
9) Fluorene	15.52	166	208256	1.260	ng/ul	99
12) Phenanthrene	17.26	178	4444216m	17.101	ng/ul	
13) Anthracene	17.35	178	850423m	3.814	ng/ul	
15) Fluoranthene	19.27	202	6445190m	22.983	ng/ul	
17) Pyrene	19.63	202	5948587	21.503	ng/ul	98
18) Benzo(a)anthracene	21.37	228	2937706m	12.579	ng/ul	
19) Chrysene	21.43	228	2931931	11.933	ng/ul	97
21) Benzo(b)fluoranthene	22.99	252	2927807m	13.774	ng/ul	
22) Benzo(k)fluoranthene	23.03	252	1162757m	5.362	ng/ul	
23) Benzo(a)pyrene	23.58	252	2077935	11.172	ng/ul#	89
24) Indeno(1,2,3-cd)pyrene	25.99	276	1267954	5.589	ng/ul#	90
25) Dibenzo(a,h)anthracene	26.00	278	356610	1.945	ng/ul	97
26) Benzo(a,h,i)perylene	26.70	276	991396	5.485	ng/ul	99

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



#3

Naphthalene

Concen: 0.441 ng/ul

RT: 10.69 min Scan# 3035

Delta R.T. -0.00 min

Lab File: BM022622.D

Acq: 10 Sep 2019 16:31

Instrument :

BNA_M

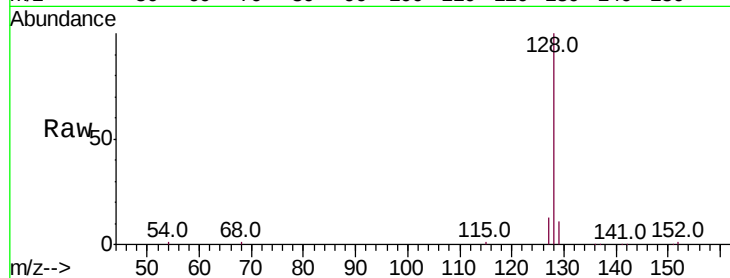
ClientSampleId :

CB5P8

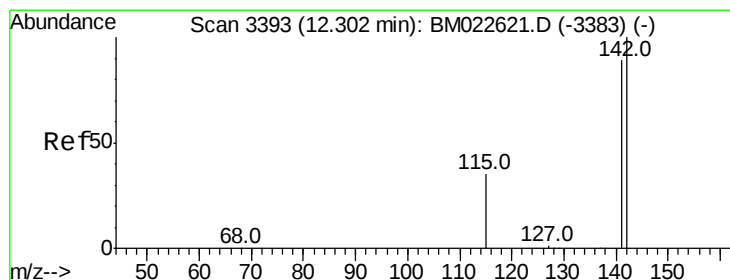
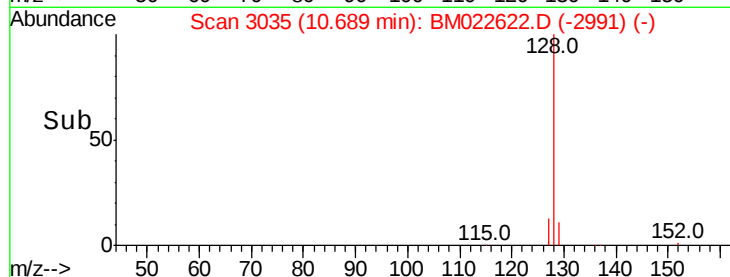
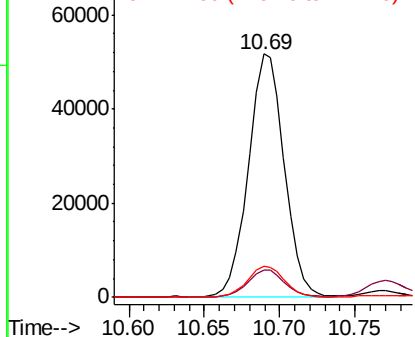
Tot Ion:128	Resp:	84664
Ion Ratio	Lower	Upper
128 100		
129 11.2	8.8	13.2
127 12.8	10.4	15.6

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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: 0.275 ng/ul

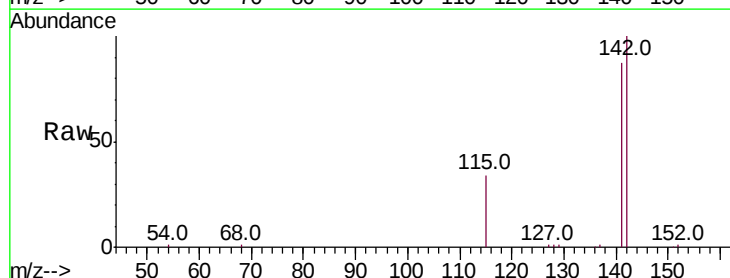
RT: 12.30 min Scan# 3394

Delta R.T. -0.00 min

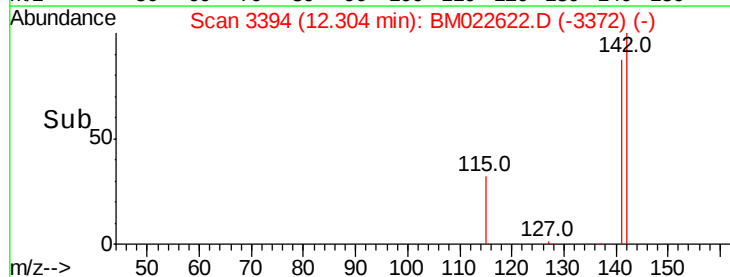
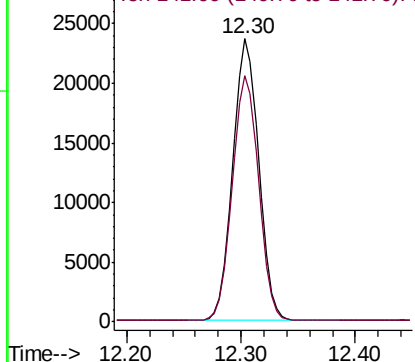
Lab File: BM022622.D

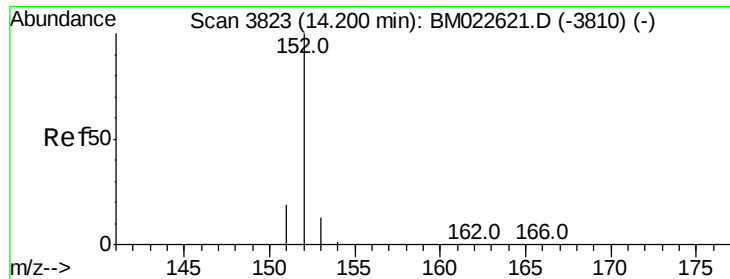
Acq: 10 Sep 2019 16:31

Tgt Ion:142	Resp:	36207
Ion Ratio	Lower	Upper
142 100		
141 88.1	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: 0.305 ng/ul

RT: 14.20 min Scan# 3824

Delta R.T. 0.00 min

Lab File: BM022622.D

Acq: 10 Sep 2019 16:31

Instrument :

BNA_M

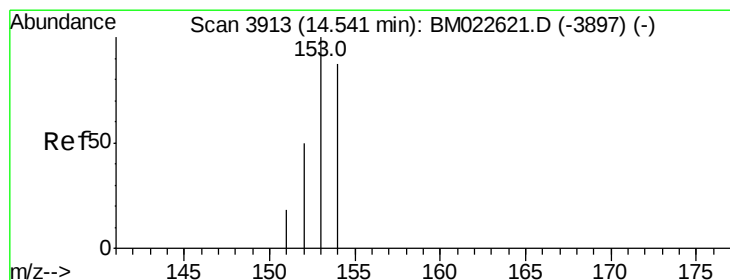
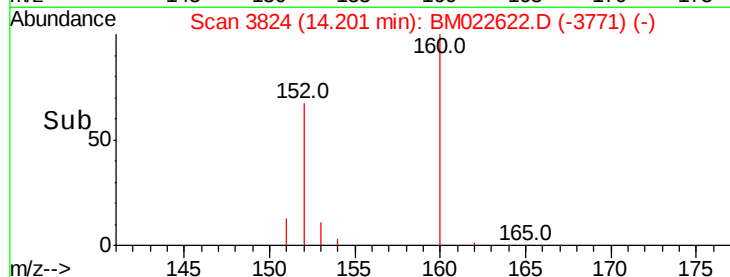
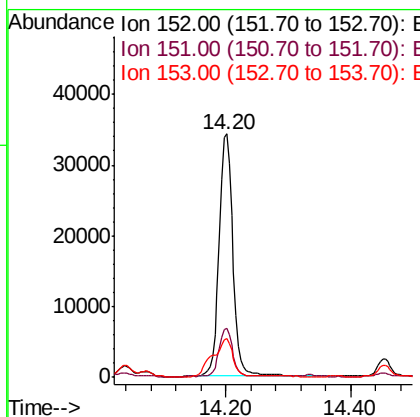
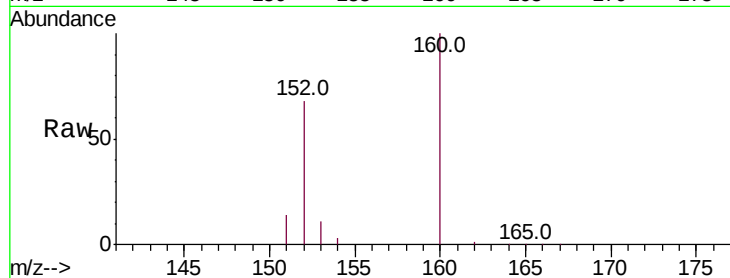
ClientSampleId :

CB5P8

Tot Ion:	152	Resp:	52600
Ion Ratio	Lower	Upper	
152	100		
151	20.2	15.8	23.8
153	15.7	10.7	16.1

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#8

Acenaphthene

Concen: 1.305 ng/ul

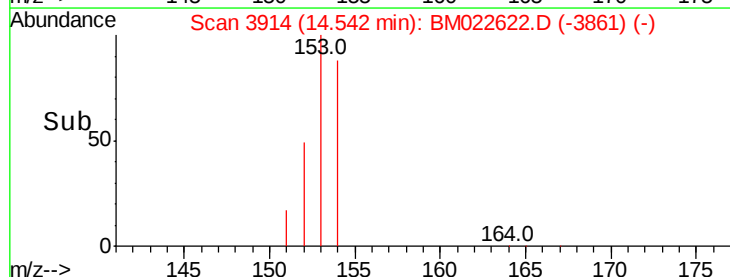
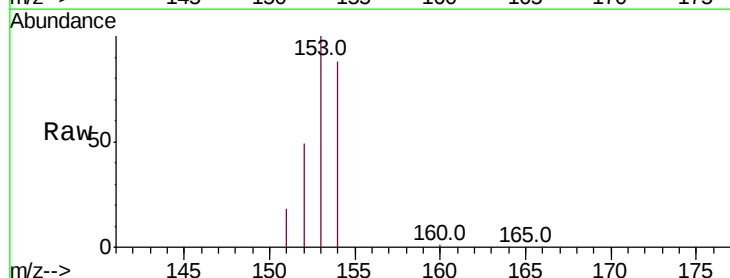
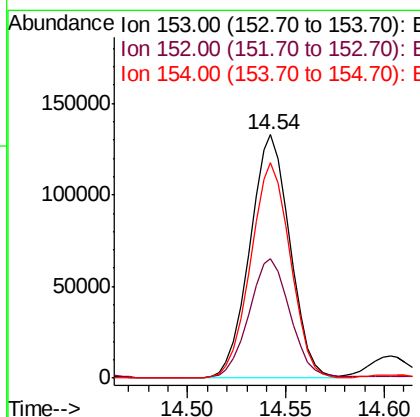
RT: 14.54 min Scan# 3914

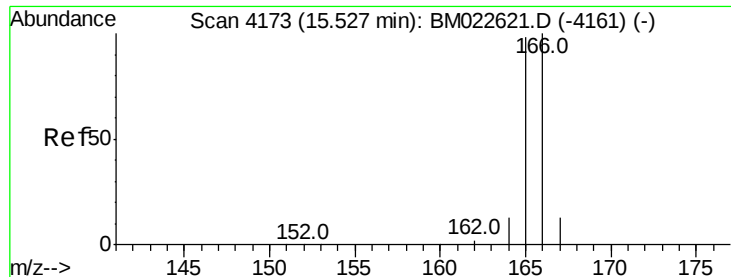
Delta R.T. 0.00 min

Lab File: BM022622.D

Acq: 10 Sep 2019 16:31

Tgt Ion:	153	Resp:	188216
Ion Ratio	Lower	Upper	
153	100		
152	49.1	40.7	61.1
154	88.4	70.0	105.0





#9

Fluorene

Concen: 1.260 ng/ul

RT: 15.52 min Scan# 4173

Delta R.T. -0.00 min

Lab File: BM022622.D

Acq: 10 Sep 2019 16:31

Instrument :

BNA_M

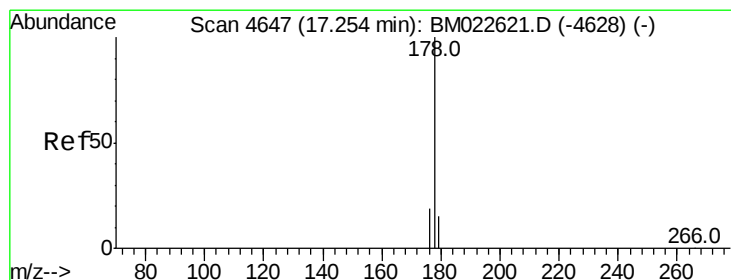
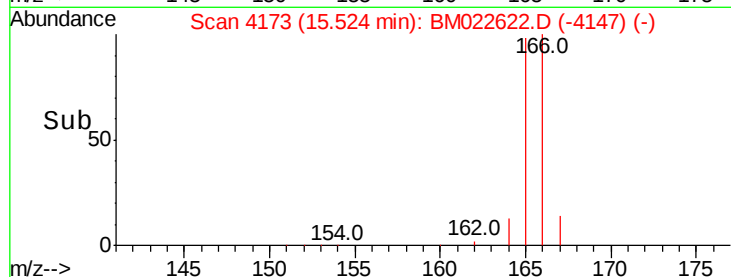
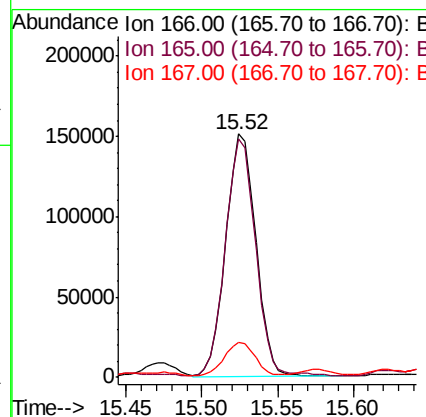
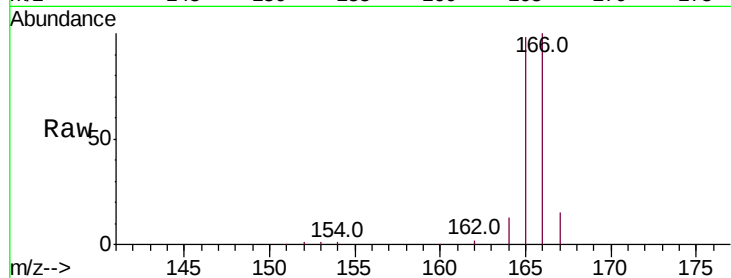
ClientSampleId :

CB5P8

Tot Ion:	166	Resp:	208256
Ion Ratio	Lower	Upper	
166	100		
165	98.1	78.2	117.2
167	14.5	10.8	16.2

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#12

Phenanthrene

Concen: 17.101 ng/ul m

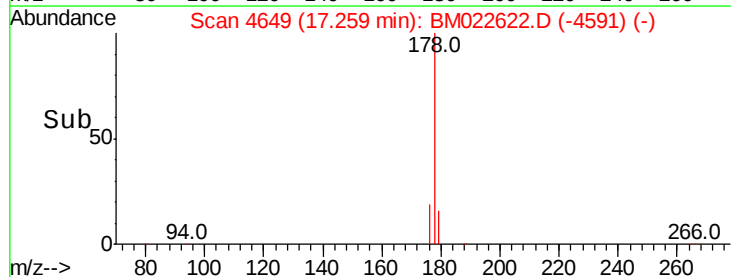
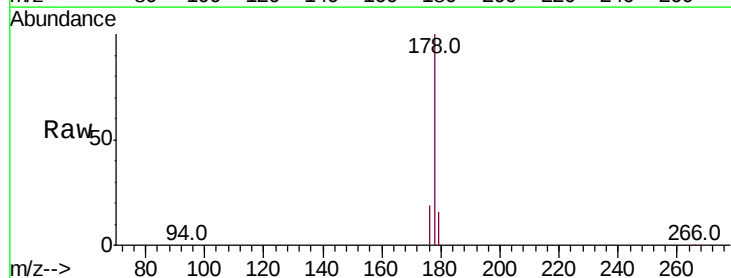
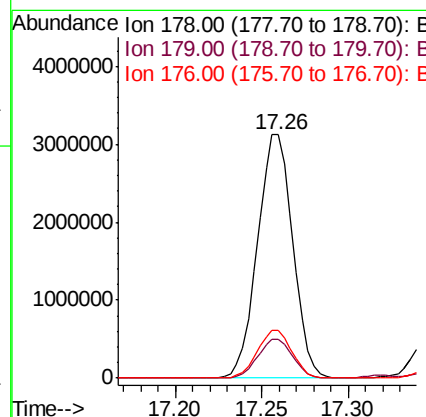
RT: 17.26 min Scan# 4649

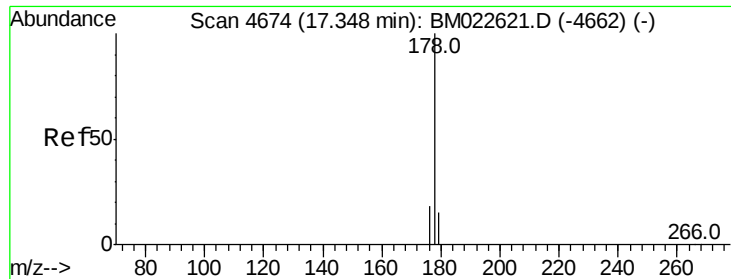
Delta R.T. 0.00 min

Lab File: BM022622.D

Acq: 10 Sep 2019 16:31

Tgt Ion:	178	Resp:	4444216
Ion Ratio	Lower	Upper	
178	100		
179	16.0	12.4	18.6
176	19.4	15.3	22.9





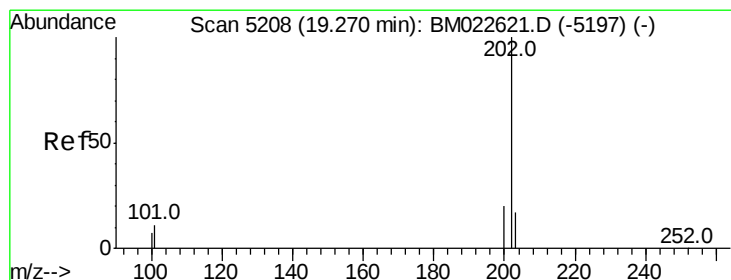
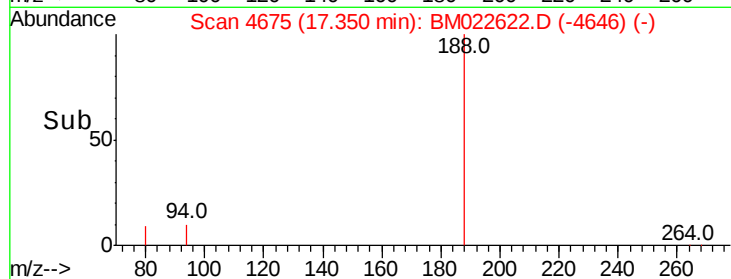
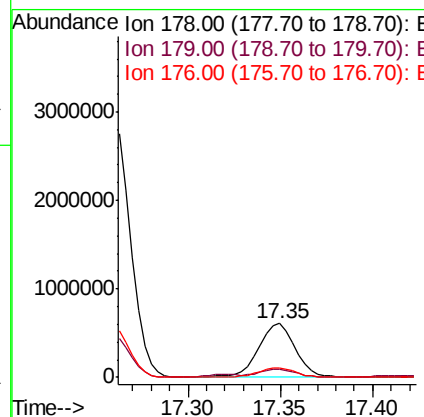
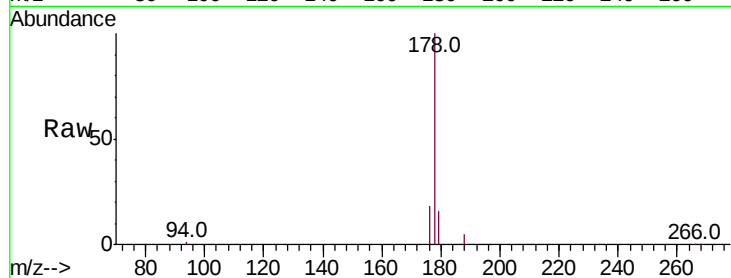
#13
 Anthracene
 Concen: 3.814 ng/ul m
 RT: 17.35 min Scan# 4675
 Delta R.T. 0.00 min
 Lab File: BM022622.D
 Acq: 10 Sep 2019 16:31

Instrument :
 BNA_M
 ClientSampleId :
 CB5P8

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.5	18.7
176	18.4	14.8	22.2

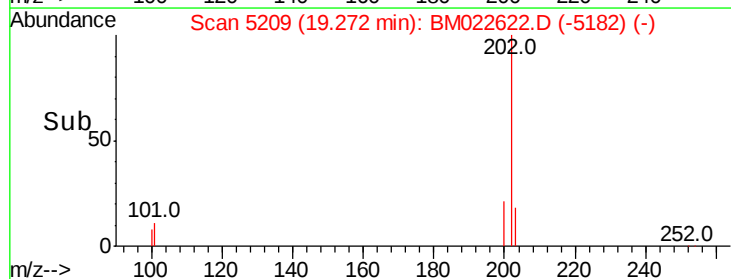
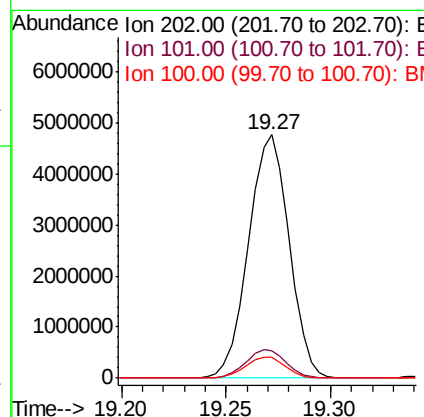
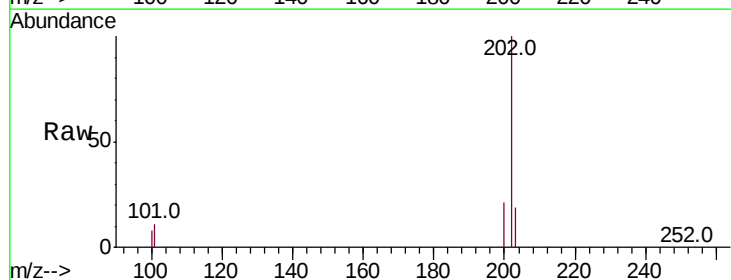
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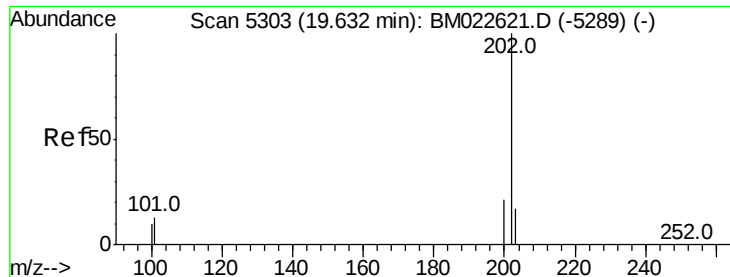
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#15
 Fluoranthene
 Concen: 22.983 ng/ul m
 RT: 19.27 min Scan# 5209
 Delta R.T. 0.00 min
 Lab File: BM022622.D
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Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.4	0.0	30.5
100	8.4	0.0	28.0





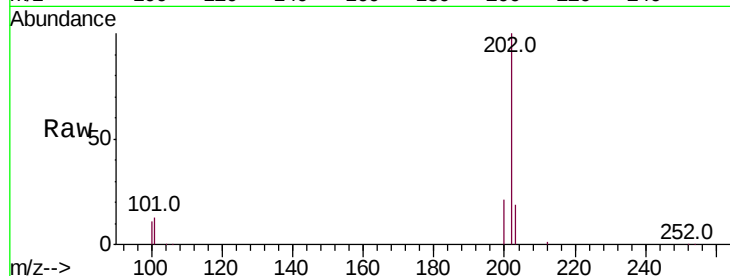
#17
Pvrene
Concen: 21.503 ng/ul
RT: 19.63 min Scan# 5304
Delta R.T. 0.00 min
Lab File: BM022622.D
Acq: 10 Sep 2019 16:31

Instrument :
BNA_M
ClientSampleId :
CB5P8

Tot Ion	Ratio	Lower	Upper
202	100		
101	13.2	10.0	15.0
100	10.6	8.1	12.1

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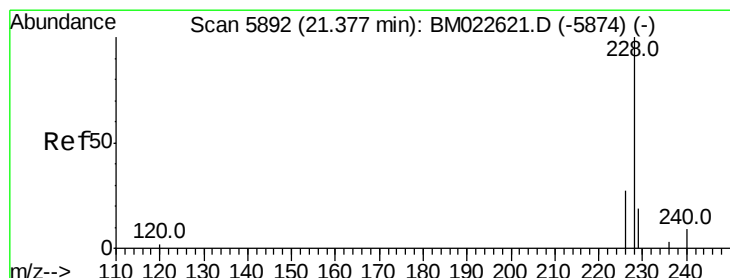
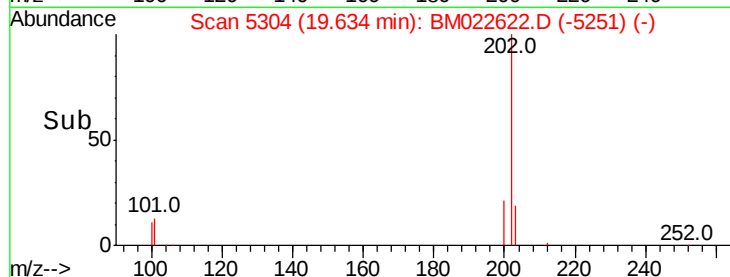
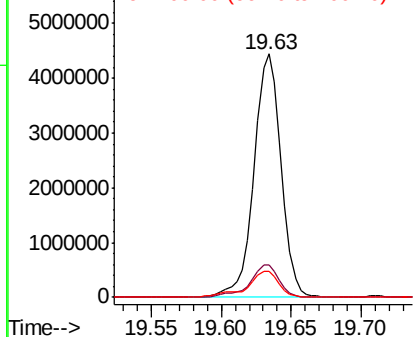


Abundance

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): E



#18
Benzo(a)anthracene
Concen: 12.579 ng/ul m
RT: 21.37 min Scan# 5892
Delta R.T. 0.00 min
Lab File: BM022622.D
Acq: 10 Sep 2019 16:31

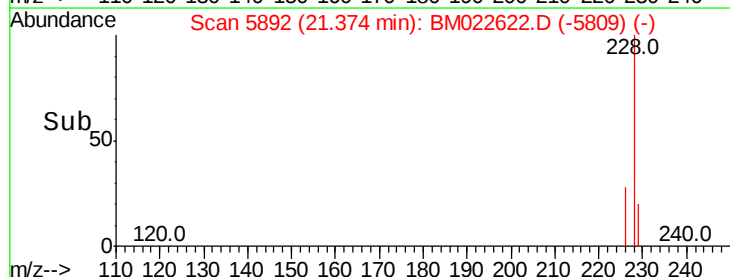
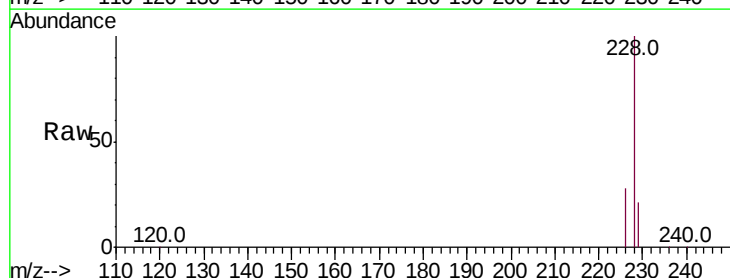
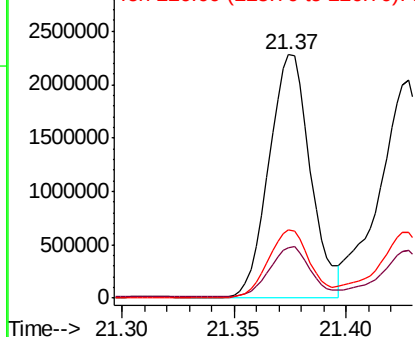
Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.9	15.6	23.4
226	28.2	22.0	33.0

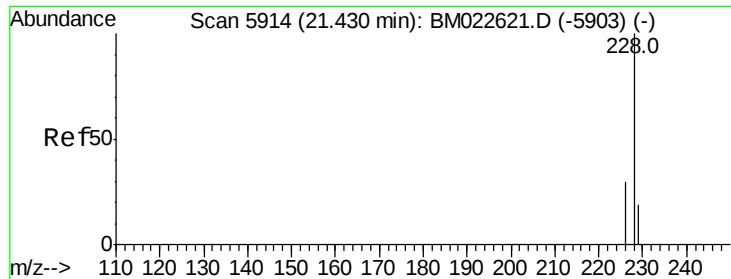
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 11.933 ng/ul

RT: 21.43 min Scan# 5914

Delta R.T. 0.00 min

Lab File: BM022622.D

Acq: 10 Sep 2019 16:31

Instrument :

BNA_M

ClientSampleId :

CB5P8

Tot Ion:228 Resp: 2931931

Ion Ratio Lower Upper

228 100

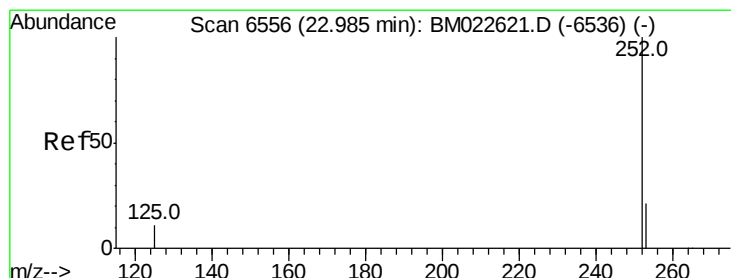
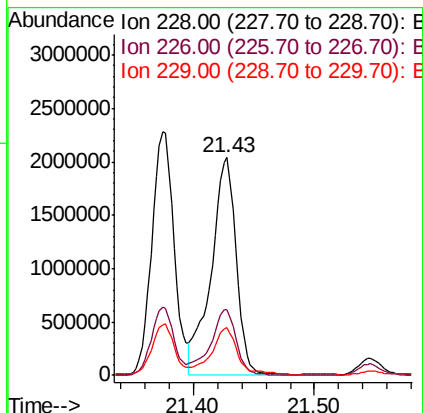
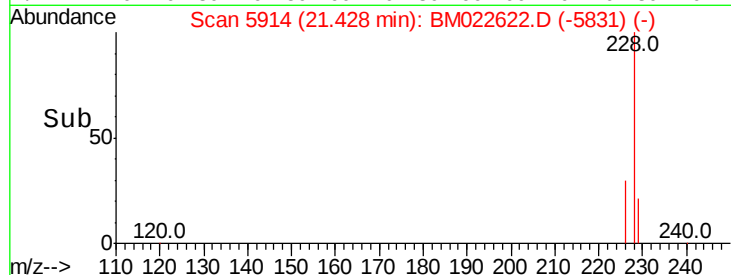
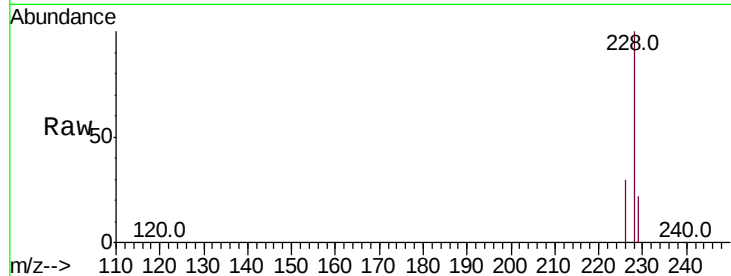
226 30.4 23.8 35.8

229 21.7 15.5 23.3

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#21

Benzo(b)fluoranthene

Concen: 13.774 ng/ul m

RT: 22.99 min Scan# 6559

Delta R.T. 0.00 min

Lab File: BM022622.D

Acq: 10 Sep 2019 16:31

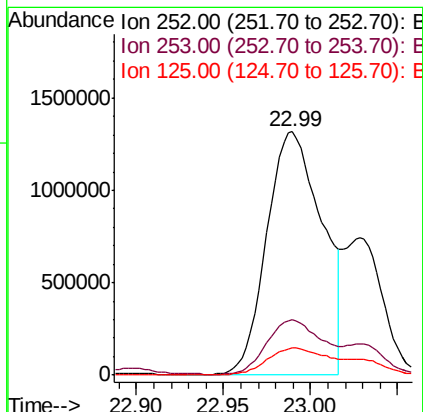
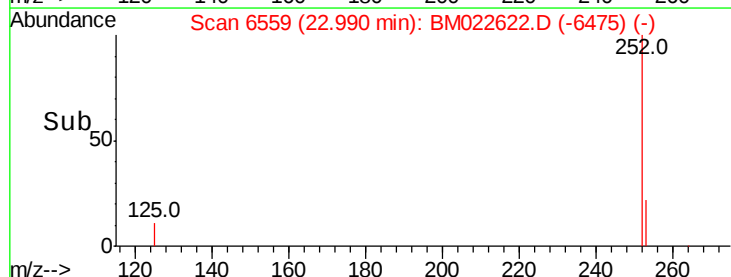
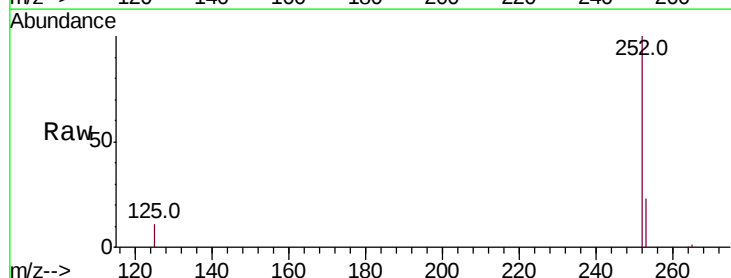
Tgt Ion:252 Resp: 2927807

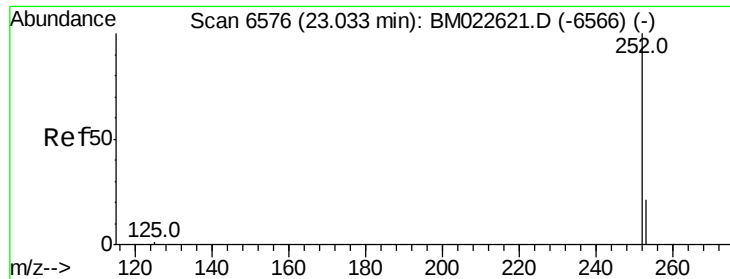
Ion Ratio Lower Upper

252 100

253 22.8 0.0 48.4

125 11.0 0.0 31.2





#22

Benzo(k)fluoranthene

Concen: 5.362 ng/ul m

RT: 23.03 min Scan# 6575

Delta R.T. 0.00 min

Lab File: BM022622.D

Acq: 10 Sep 2019 16:31

Instrument :

BNA_M

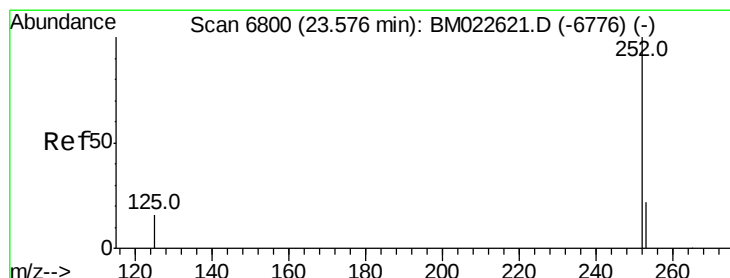
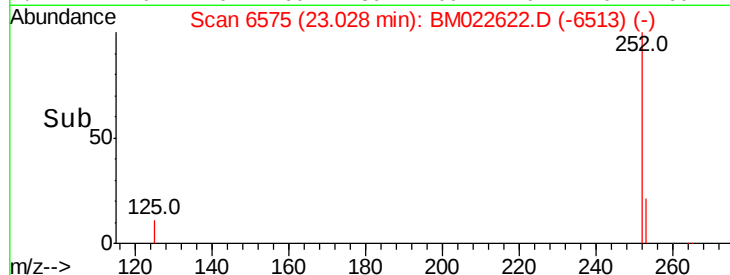
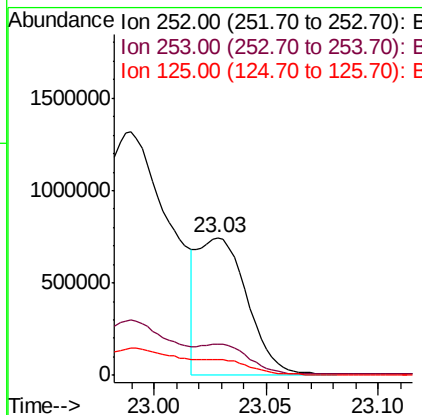
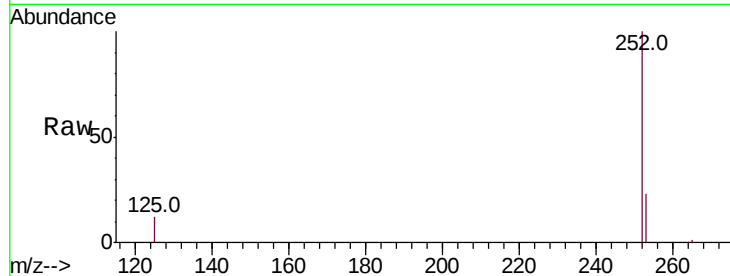
ClientSampleId :

CB5P8

Tot Ion:	252	Resp:	1162757
Ion Ratio	Lower	Upper	
252	100		
253	22.9	19.5	29.3
125	11.6	11.2	16.8

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#23

Benzo(a)pyrene

Concen: 11.172 ng/ul

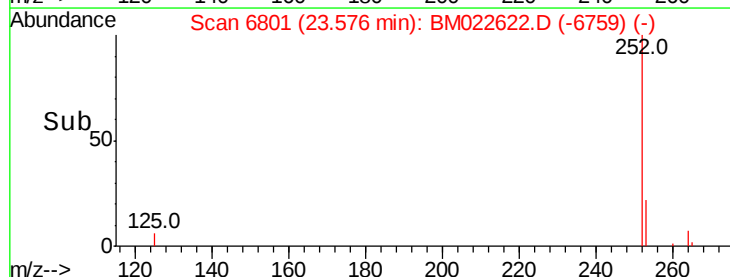
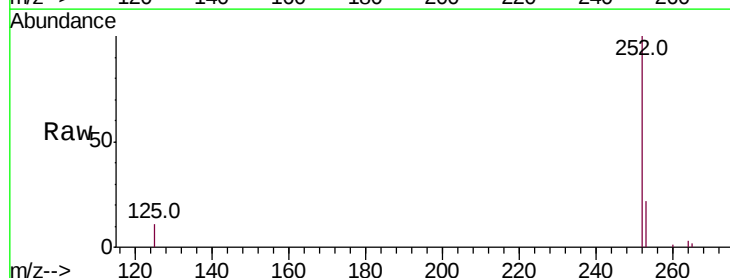
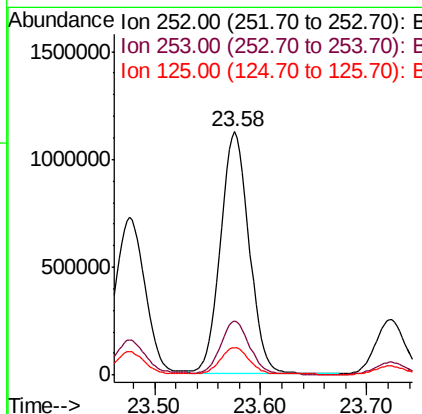
RT: 23.58 min Scan# 6801

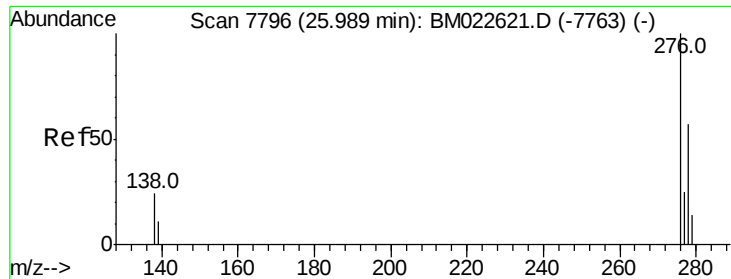
Delta R.T. 0.00 min

Lab File: BM022622.D

Acq: 10 Sep 2019 16:31

Tgt Ion:	252	Resp:	2077935
Ion Ratio	Lower	Upper	
252	100		
253	22.2	20.2	30.2
125	11.4	15.7	23.5#





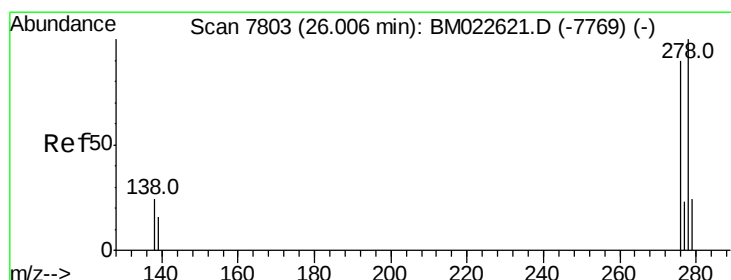
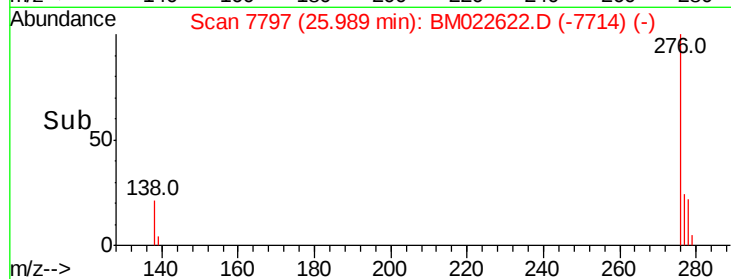
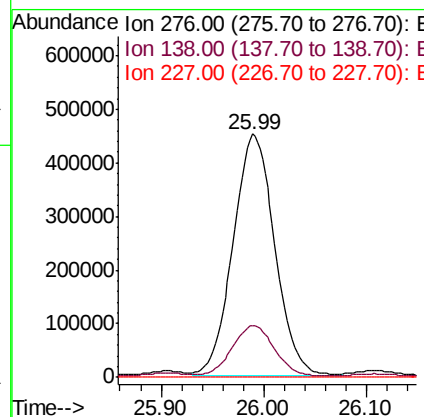
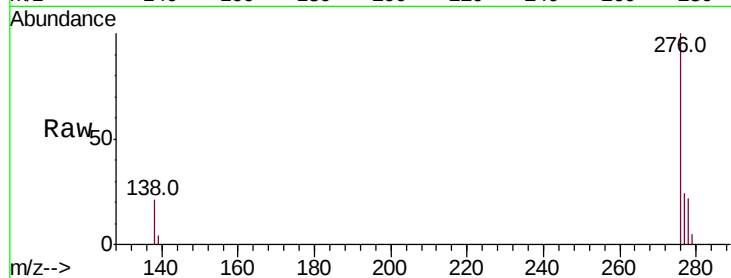
#24
 Indeno(1,2,3-cd)pyrene
 Concen: 5.589 ng/ul
 RT: 25.99 min Scan# 7797
 Delta R.T. 0.00 min
 Lab File: BM022622.D
 Acq: 10 Sep 2019 16:31

Instrument :
 BNA_M
 ClientSampleId :
 CB5P8

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.3	21.1	31.7
227	0.0	0.0	0.0

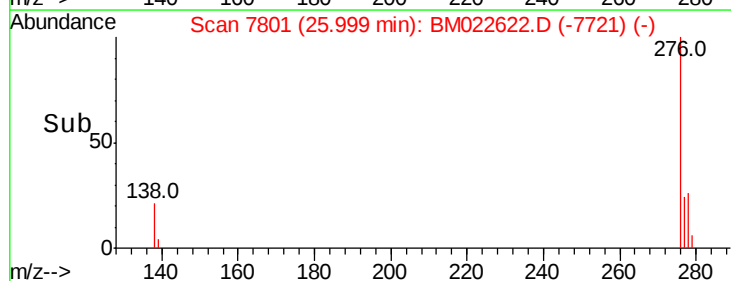
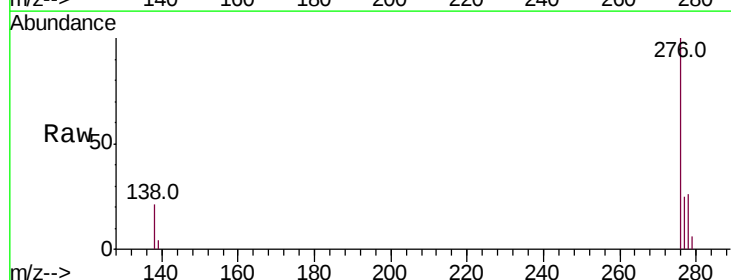
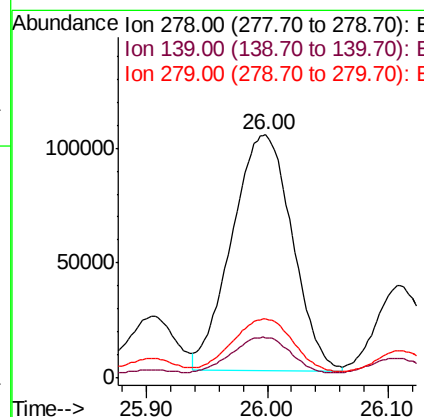
Manual Integrations
 APPROVED

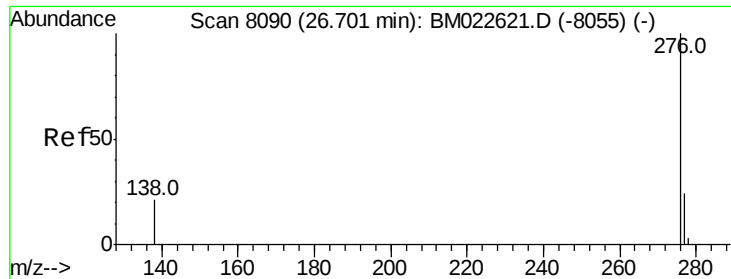
mohammad
 9/11/2019 8:21:20 AM



#25
 Dibenzo(a,h)anthracene
 Concen: 1.945 ng/ul
 RT: 26.00 min Scan# 7801
 Delta R.T. -0.01 min
 Lab File: BM022622.D
 Acq: 10 Sep 2019 16:31

Tgt Ion	Ratio	Lower	Upper
278	100		
139	16.6	13.8	20.6
279	24.2	21.3	31.9





#26
Benzo(a,h,i)perylene
Concen: 5.485 ng/ul
RT: 26.70 min Scan# 8091
Delta R.T. 0.00 min
Lab File: BM022622.D
Acq: 10 Sep 2019 16:31

Instrument :
BNA_M
ClientSampleId :
CB5P8

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.5	18.2	27.4
277	24.1	19.2	28.8

Manual Integrations
APPROVED

mohammad
9/11/2019 8:21:20 AM

