

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080619\
 Data File : BM021877.D
 Acq On : 07 Aug 2019 02:35
 Operator : HP/JU
 Sample : K3893-16
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BEP20

Manual Integrations
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Quant Time: Aug 07 05:44:08 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM080319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 07 04:02:33 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	984	0.40	ng/ul	0.00
2) Naphthalene-d8	10.41	136	4183	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.28	164	2295	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.03	188	5390m	0.40	ng/ul	-0.02
16) Chrysene-d12	21.24	240	5113m	0.40	ng/ul	0.00
20) Perylene-d12	23.45	264	5322m	0.40	ng/ul	-0.01
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.02	152	1004	0.15	ng/ul	0.00
14) Fluoranthene-d10	19.07	212	2814m	0.15	ng/ul	-0.02
Target Compounds				Ovalue		
5) 2-Methylnaphthalene	12.10	142	256	0.033	ng/ul	89
7) Acenaphthylene	14.00	152	1599	0.149	ng/ul	98
9) Fluorene	15.34	166	255	0.026	ng/ul#	93
12) Phenanthrene	17.08	178	5863	0.374	ng/ul	99
13) Anthracene	17.17	178	1519m	0.114	ng/ul	
15) Fluoranthene	19.10	202	13204m	0.629	ng/ul	
17) Pyrene	19.47	202	10349	0.493	ng/ul	97
18) Benzo(a)anthracene	21.22	228	6182	0.338	ng/ul	96
19) Chrysene	21.27	228	7257m	0.309	ng/ul	
21) Benzo(b)fluoranthene	22.78	252	9725m	0.542	ng/ul	
22) Benzo(k)fluoranthene	22.82	252	3686m	0.181	ng/ul	
23) Benzo(a)pyrene	23.35	252	5528	0.303	ng/ul	93
24) Indeno(1,2,3-cd)pyrene	25.67	276	4650	0.213	ng/ul#	96
25) Dibenzo(a,h)anthracene	25.67	278	1255	0.071	ng/ul#	44
26) Benzo(g,h,i)perylene	26.35	276	3547	0.181	ng/ul#	93

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

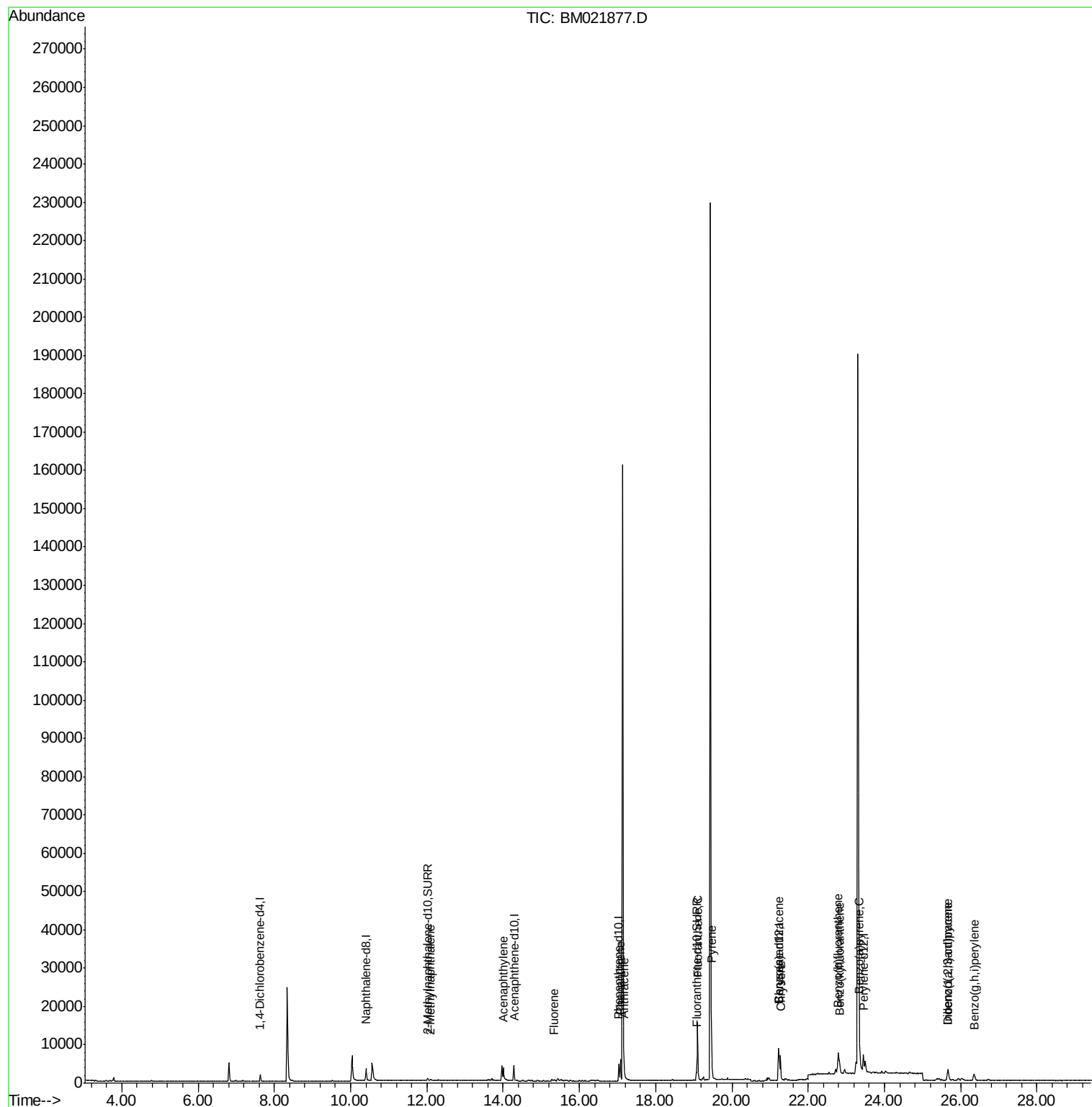
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080619\
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ALS Vial : 17 Sample Multiplier: 1

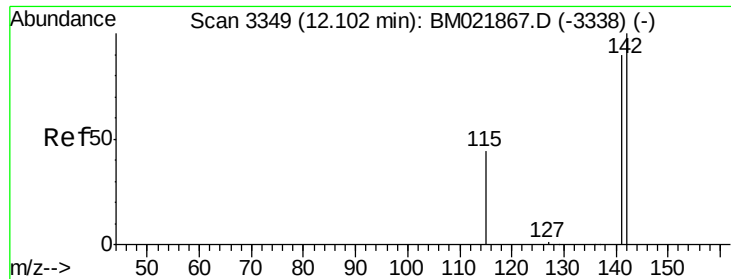
Instrument :
BNA_M
ClientSampleId :
BEP20

Quant Time: Aug 07 05:44:08 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#5

2-Methylnaphthalene

Concen: 0.033 ng/ul

RT: 12.10 min Scan# 3348

Delta R.T. -0.00 min

Lab File: BM021877.D

Acq: 07 Aug 2019 02:35

Instrument :

BNA_M

ClientSampleId :

BEP20

Tot Ion:142 Resp: 256

Ion Ratio Lower Upper

142 100

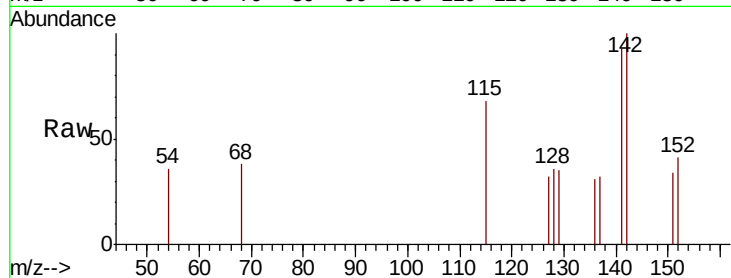
141 82.8 74.3 111.5

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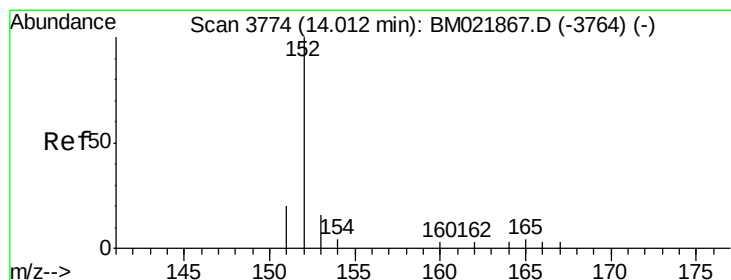
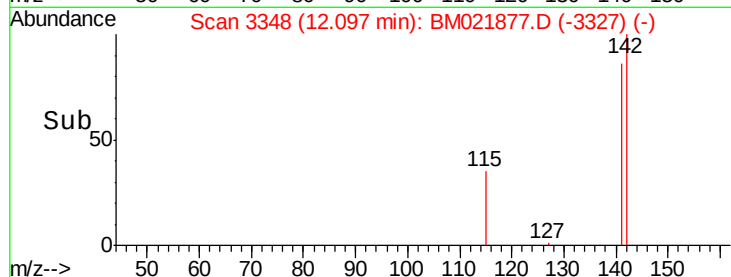
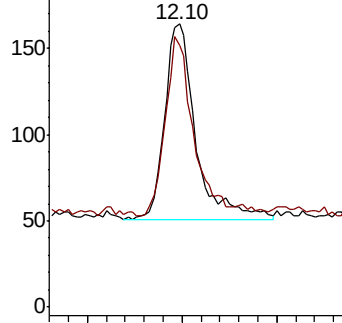
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Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



#7

Acenaphthylene

Concen: 0.149 ng/ul

RT: 14.00 min Scan# 3772

Delta R.T. -0.01 min

Lab File: BM021877.D

Acq: 07 Aug 2019 02:35

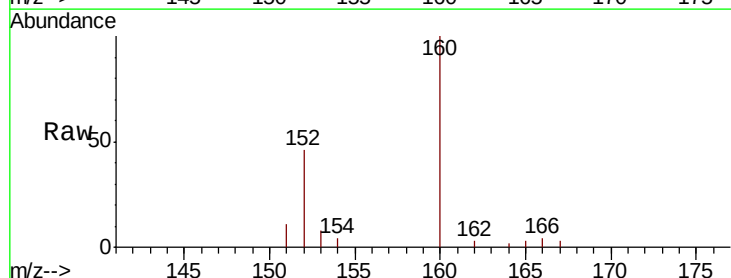
Tgt Ion:152 Resp: 1599

Ion Ratio Lower Upper

152 100

151 23.6 18.3 27.5

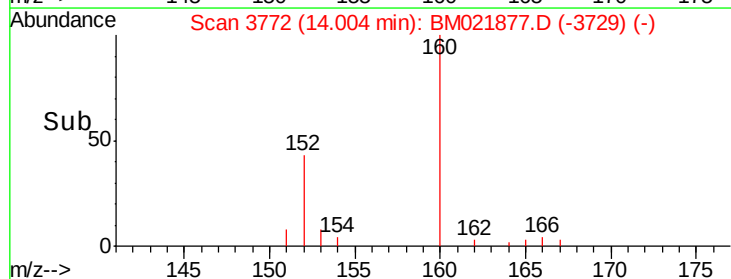
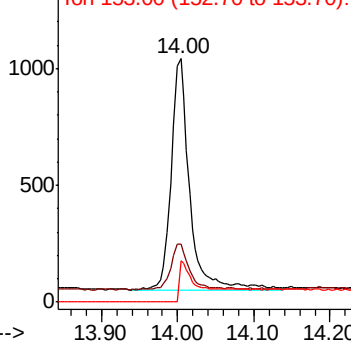
153 17.2 12.8 19.2

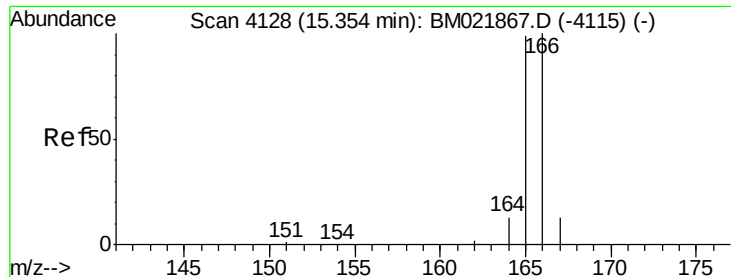


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#9

Fluorene

Concen: 0.026 ng/ul

RT: 15.34 min Scan# 4124

Delta R.T. -0.02 min

Lab File: BM021877.D

Acq: 07 Aug 2019 02:35

Instrument :

BNA_M

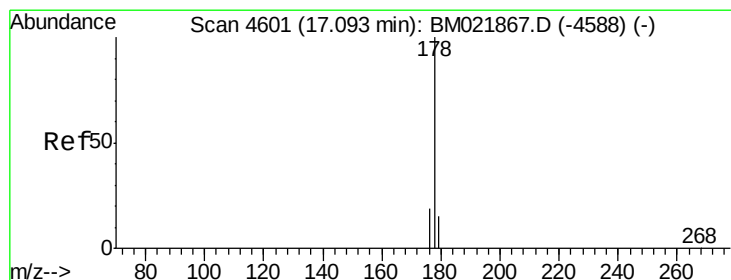
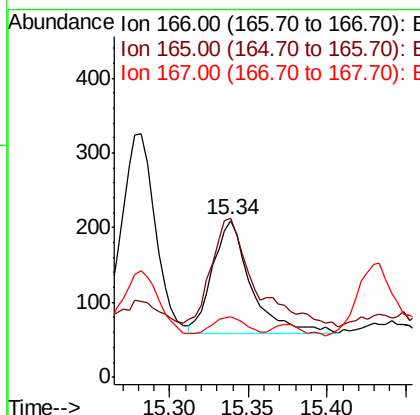
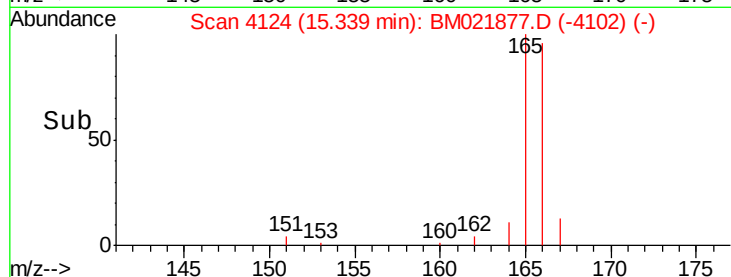
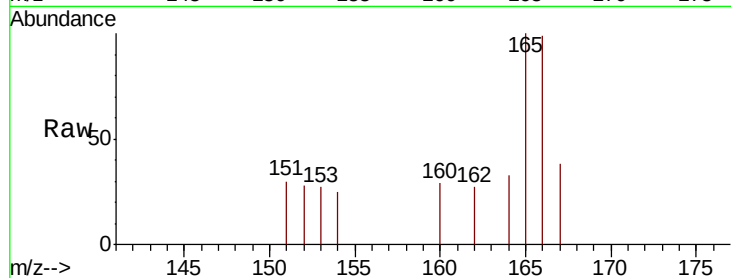
ClientSampled :

BEP20

Tot Ion	Ratio	Lower	Upper
166	100		
165	101.4	81.4	122.0
167	38.1	13.7	20.5

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#12

Phenanthrene

Concen: 0.374 ng/ul

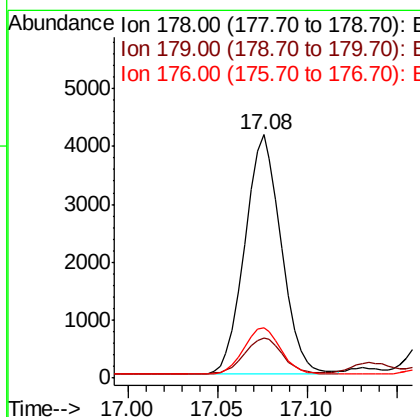
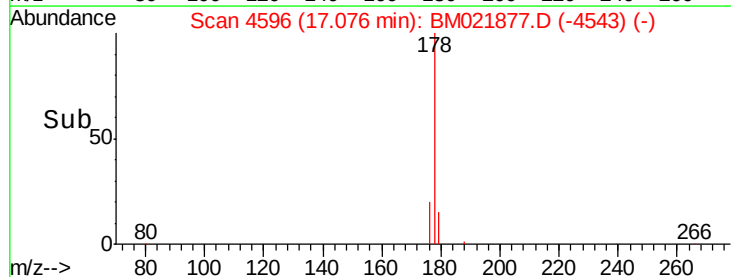
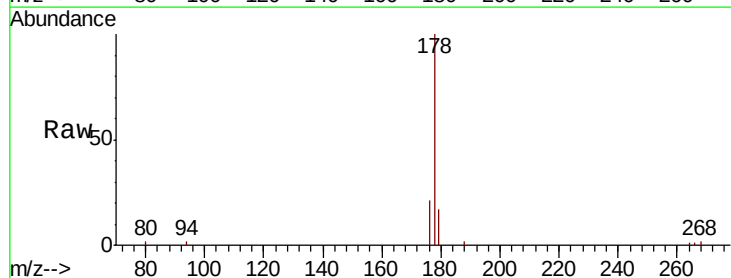
RT: 17.08 min Scan# 4596

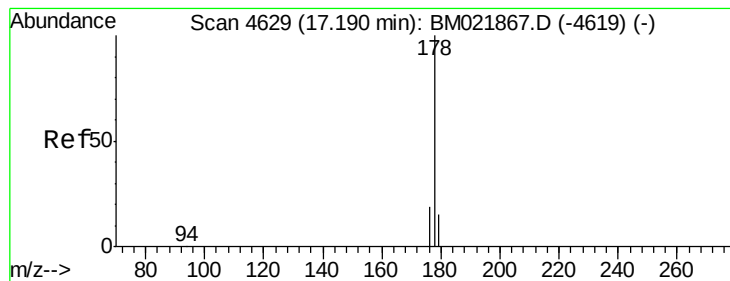
Delta R.T. -0.02 min

Lab File: BM021877.D

Acq: 07 Aug 2019 02:35

Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.7	14.2	21.2
176	20.9	16.8	25.2





#13

Anthracene

Concen: 0.114 ng/ul m

RT: 17.17 min Scan# 4624

Delta R.T. -0.02 min

Lab File: BM021877.D

Acq: 07 Aug 2019 02:35

Instrument :

BNA_M

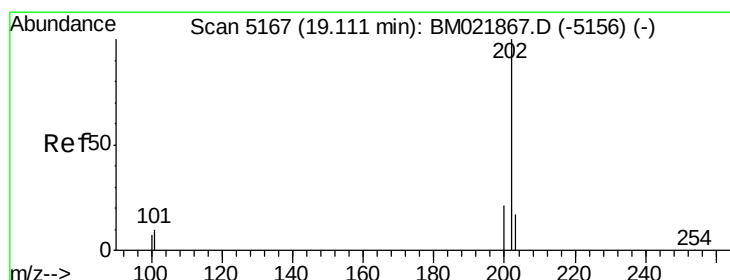
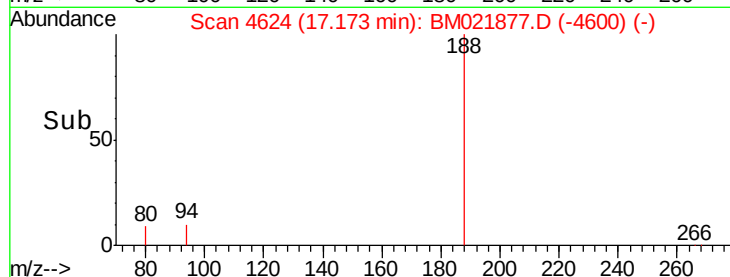
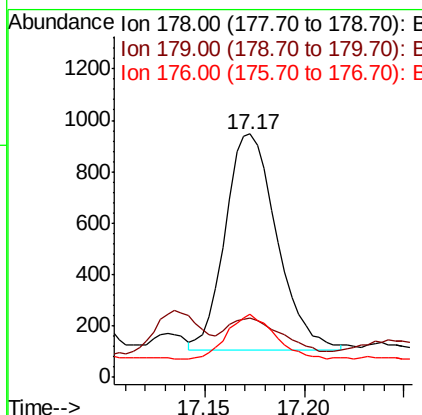
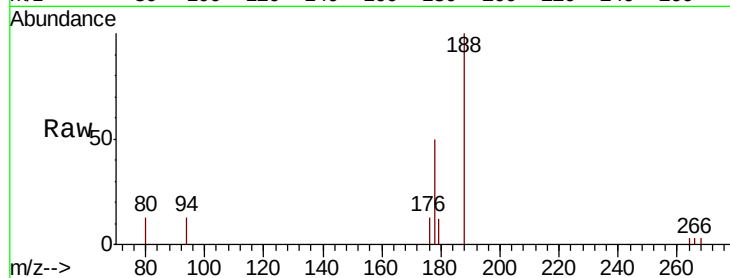
ClientSampleId :

BEP20

Tot Ion:	178	Resp:	1519
Ion Ratio	Lower	Upper	
178	100		
179	24.2	15.5	23.3#
176	25.9	16.6	25.0#

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#15

Fluoranthene

Concen: 0.629 ng/ul m

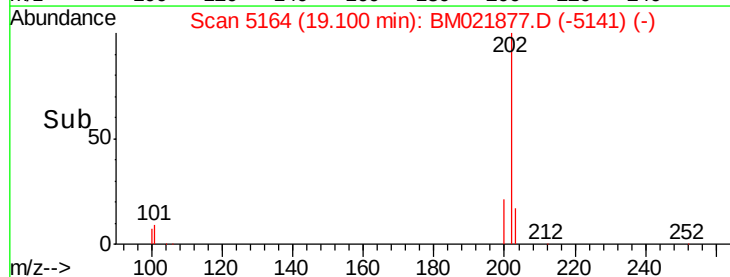
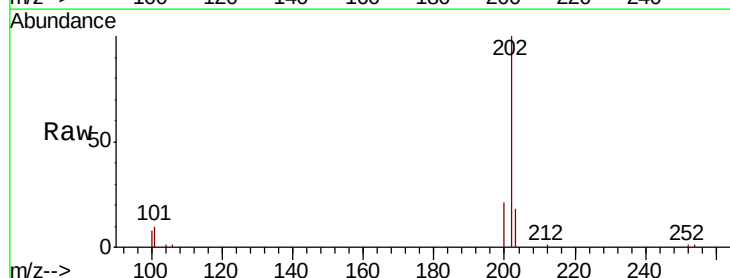
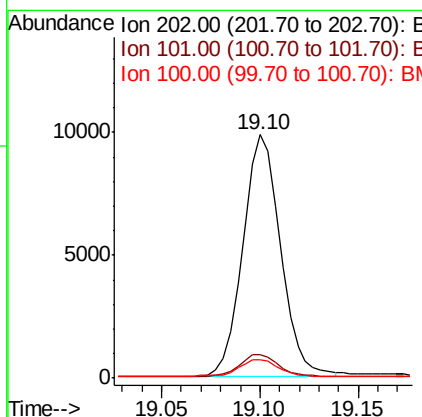
RT: 19.10 min Scan# 5164

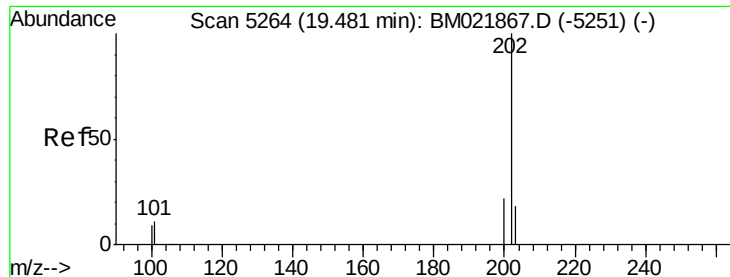
Delta R.T. -0.01 min

Lab File: BM021877.D

Acq: 07 Aug 2019 02:35

Tgt Ion:	202	Resp:	13204
Ion Ratio	Lower	Upper	
202	100		
101	9.8	0.0	30.2
100	7.6	0.0	28.1





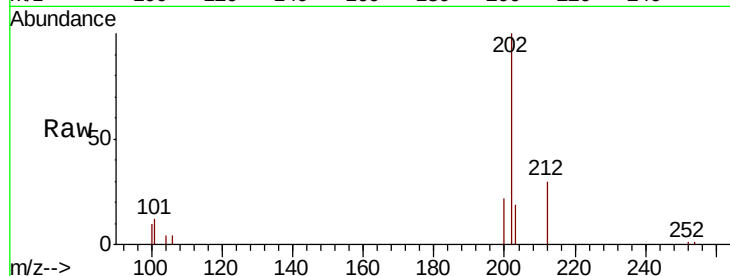
#17
Pvrene
Concen: 0.493 ng/ul
RT: 19.47 min Scan# 5260
Delta R.T. -0.02 min
Lab File: BM021877.D
Acq: 07 Aug 2019 02:35

Instrument :
BNA_M
ClientSampleId :
BEP20

Tot Ion	Ratio	Resp	Lower	Upper
202	100	10349		
101	11.5		8.3	12.5
100	9.8		7.2	10.8

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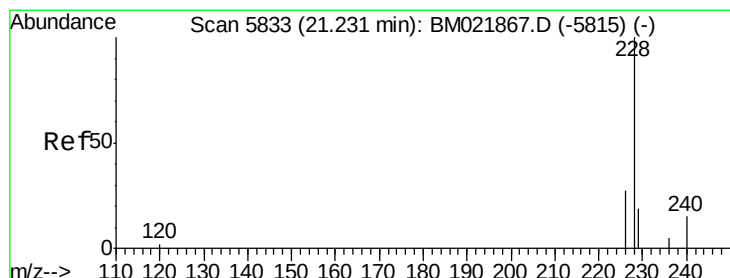
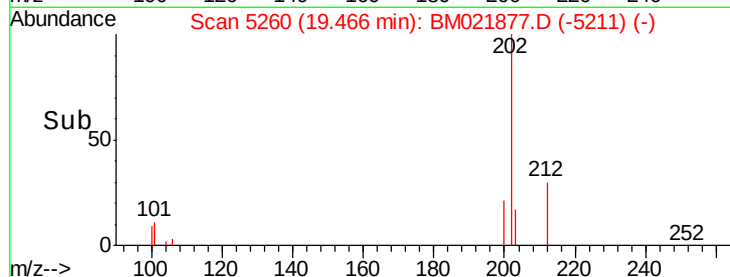
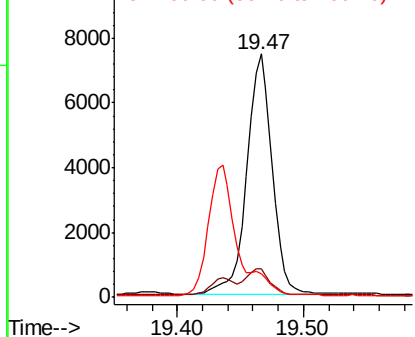


Abundance

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



#18
Benzo(a)anthracene
Concen: 0.338 ng/ul
RT: 21.22 min Scan# 5828
Delta R.T. -0.01 min
Lab File: BM021877.D
Acq: 07 Aug 2019 02:35

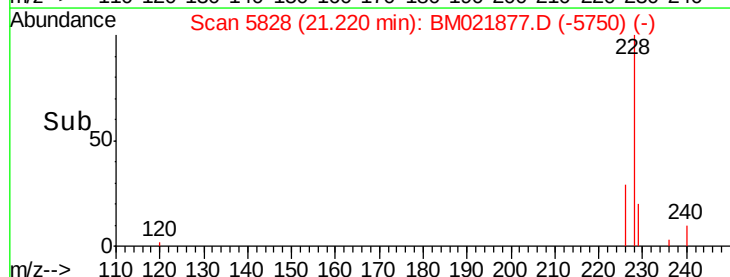
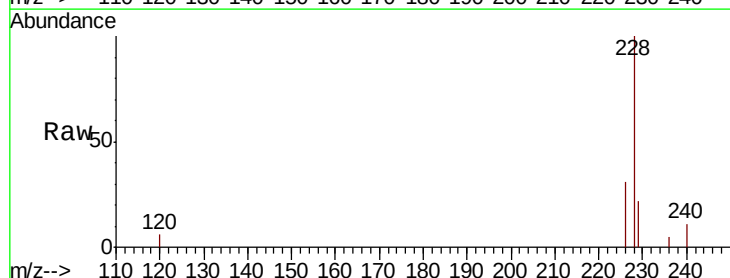
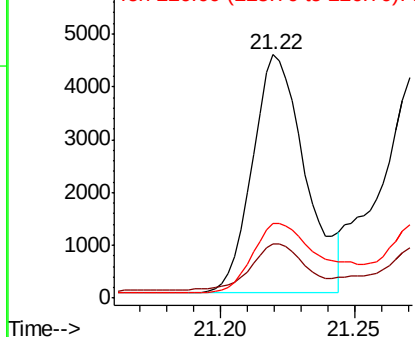
Tgt Ion	Ratio	Resp	Lower	Upper
228	100	6182		
229	22.5		17.2	25.8
226	30.9		22.6	34.0

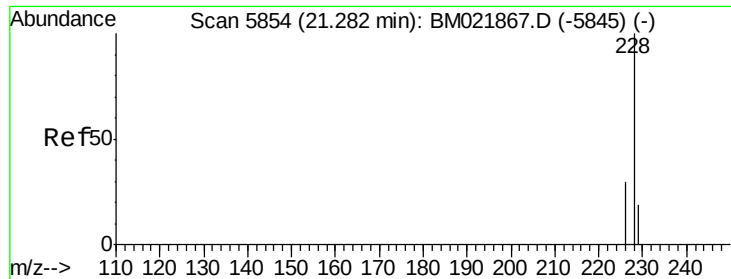
Abundance

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: 0.309 ng/ul m

RT: 21.27 min Scan# 5850

Delta R.T. -0.01 min

Lab File: BM021877.D

Acq: 07 Aug 2019 02:35

Instrument :

BNA_M

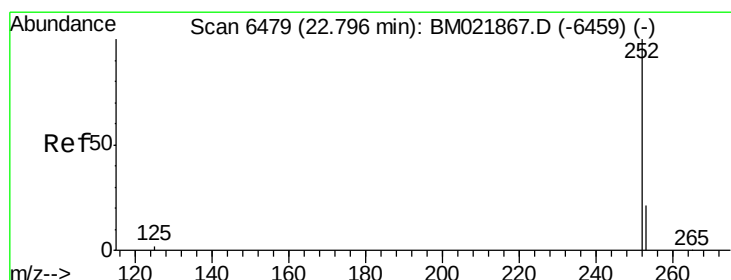
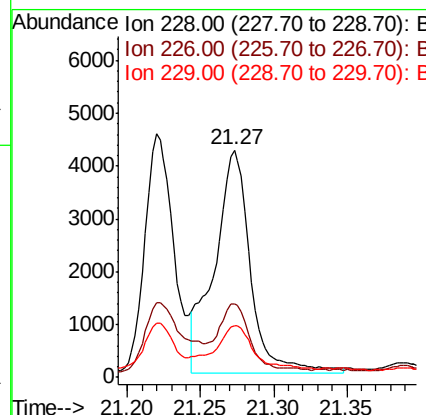
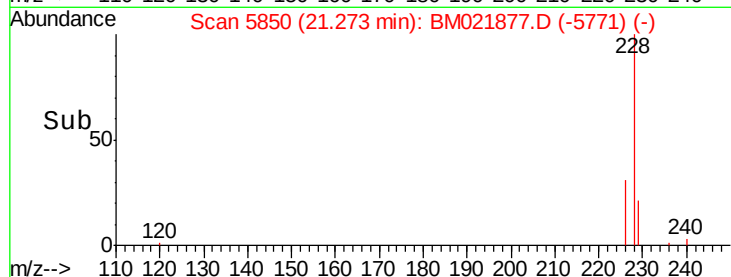
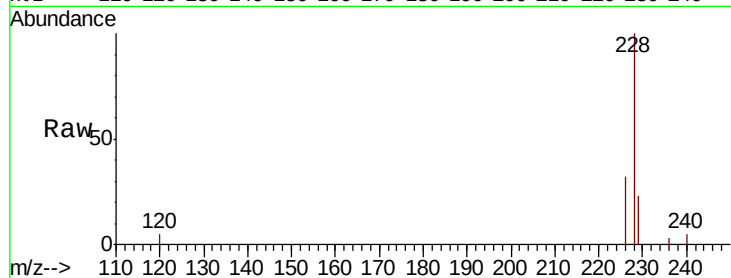
ClientSampleId :

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Tot Ion:	228	Resp:	7257
Ion	Ratio	Lower	Upper
228	100		
226	32.4	24.9	37.3
229	22.9	16.6	25.0

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#21

Benzo(b)fluoranthene

Concen: 0.542 ng/ul m

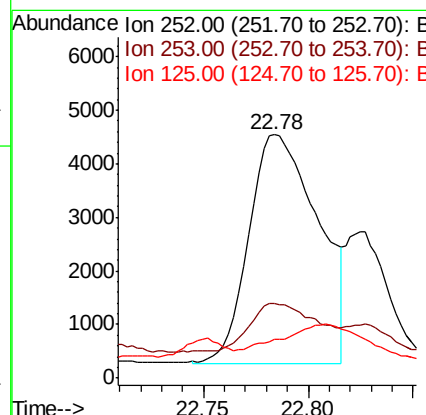
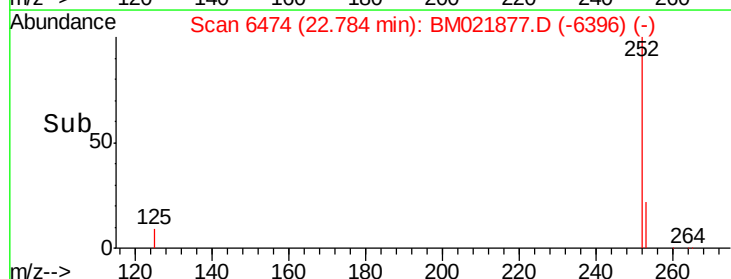
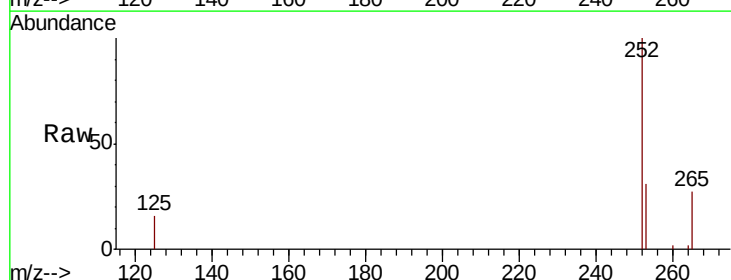
RT: 22.78 min Scan# 6474

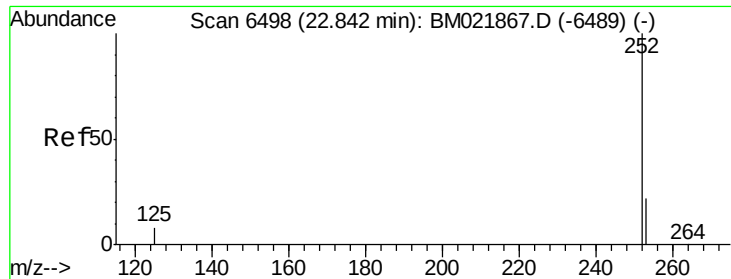
Delta R.T. -0.01 min

Lab File: BM021877.D

Acq: 07 Aug 2019 02:35

Tgt Ion:	252	Resp:	9725
Ion	Ratio	Lower	Upper
252	100		
253	30.7	0.0	67.4
125	15.7	0.0	31.0





#22

Benzo(k)fluoranthene

Concen: 0.181 ng/ul m

RT: 22.82 min Scan# 6491

Delta R.T. -0.02 min

Lab File: BM021877.D

Acq: 07 Aug 2019 02:35

Instrument :

BNA_M

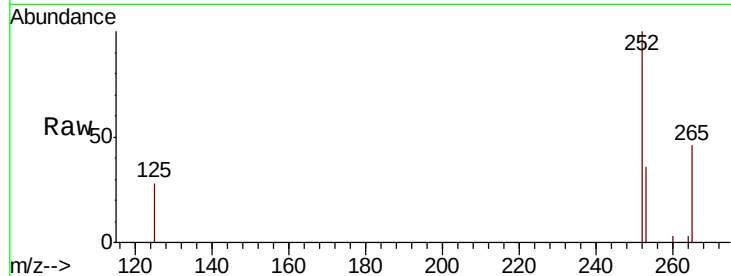
ClientSampleId :

BEP20

Tot Ion	Ratio	Lower	Upper
252	100		
253	36.5	27.0	40.4
125	28.4	12.2	18.2

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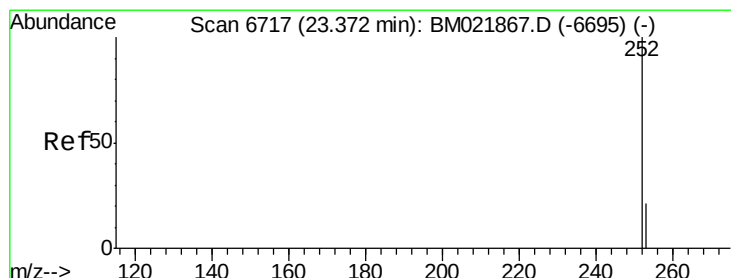
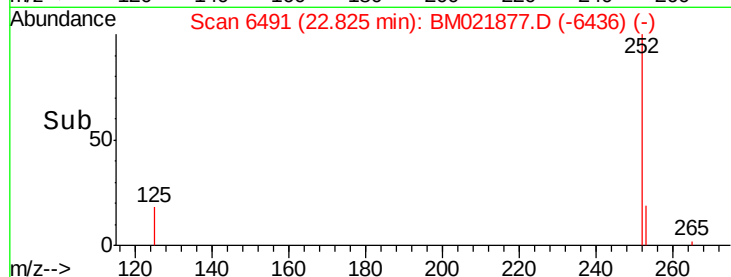
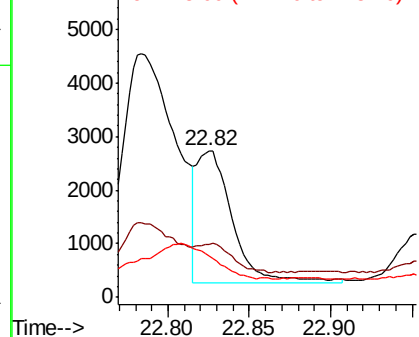


Abundance

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



#23

Benzo(a)pyrene

Concen: 0.303 ng/ul

RT: 23.35 min Scan# 6708

Delta R.T. -0.02 min

Lab File: BM021877.D

Acq: 07 Aug 2019 02:35

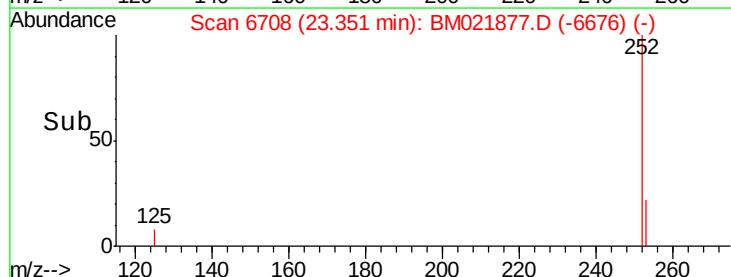
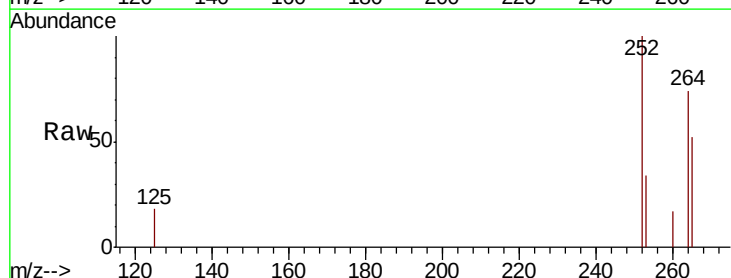
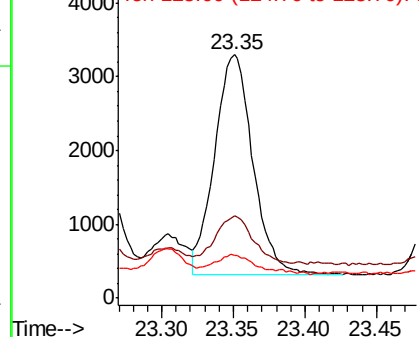
Tgt Ion	Ratio	Lower	Upper
252	100		
253	33.8	31.7	47.5
125	17.6	14.6	21.8

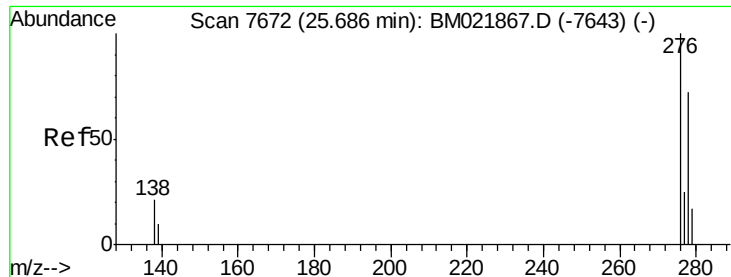
Abundance

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





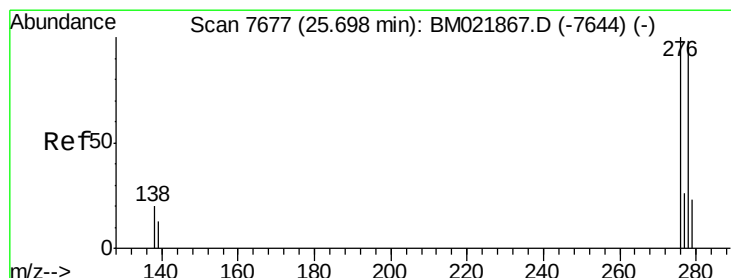
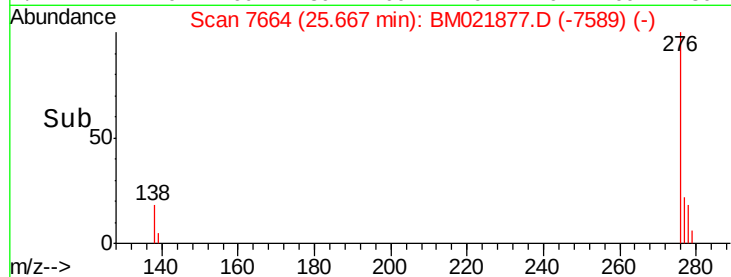
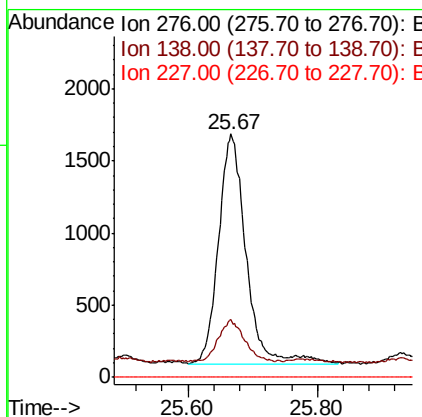
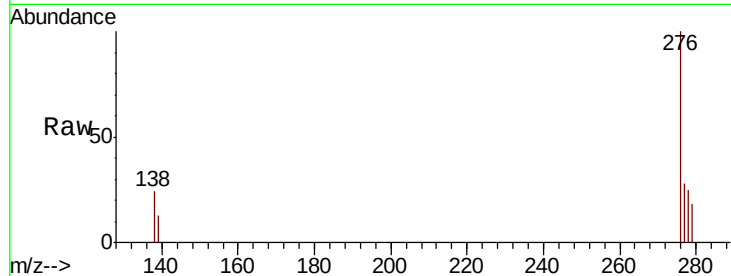
#24
Indeno(1,2,3-cd)pyrene
Concen: 0.213 ng/ul
RT: 25.67 min Scan# 7664
Delta R.T. -0.02 min
Lab File: BM021877.D
Acq: 07 Aug 2019 02:35

Instrument :
BNA_M
ClientSampleId :
BEP20

Tot Ion	Ratio	Lower	Upper
276	100		
138	16.9	15.1	22.7
227	0.0	0.0	0.0

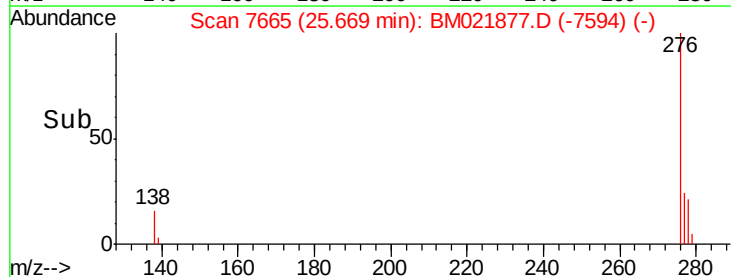
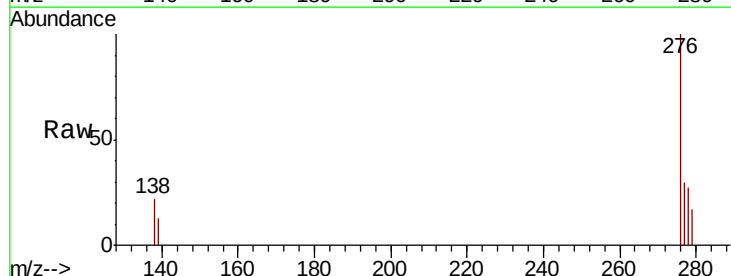
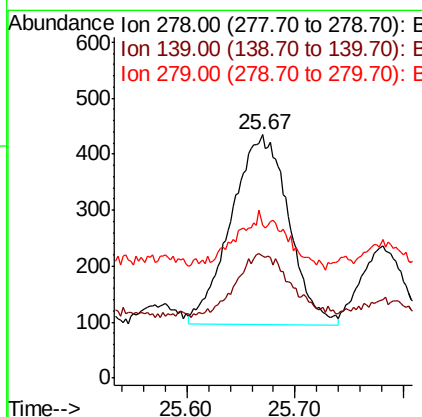
Manual Integrations
APPROVED

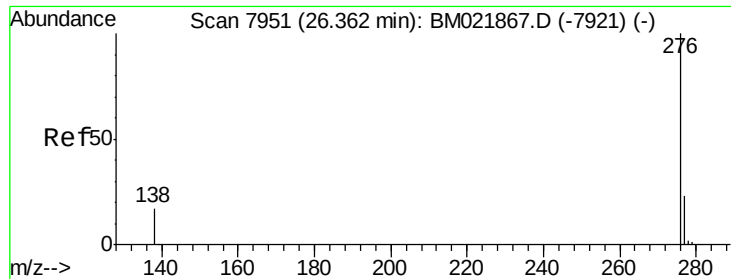
mohammad
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#25
Dibenzo(a,h)anthracene
Concen: 0.071 ng/ul
RT: 25.67 min Scan# 7665
Delta R.T. -0.03 min
Lab File: BM021877.D
Acq: 07 Aug 2019 02:35

Tgt Ion	Ratio	Lower	Upper
278	100		
139	50.3	14.2	21.2#
279	62.5	28.3	42.5#





#26
 Benzo(a,h,i)perylene
 Concen: 0.181 ng/ul
 RT: 26.35 min Scan# 7946
 Delta R.T. -0.01 min
 Lab File: BM021877.D
 Acq: 07 Aug 2019 02:35

Instrument :
 BNA_M
 ClientSampleId :
 BEP20

Tot Ion	Ratio	Lower	Upper
276	100		
138	23.6	15.5	23.3#
277	29.3	21.4	32.2

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