

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080319\
 Data File : BM021854.D
 Acq On : 05 Aug 2019 22:20
 Operator : HP/JU
 Sample : K3863-15DL 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A52F5DL

Manual Integrations
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mohammad
 8/6/2019 9:09:07 AM

Quant Time: Aug 06 02:39:12 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 : Tue Aug 06 01:29:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	892	0.40	ng/ul	0.00
2) Naphthalene-d8	10.41	136	3760	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.28	164	2122	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.04	188	4963	0.40	ng/ul	-0.01
16) Chrysene-d12	21.24	240	4985	0.40	ng/ul	0.00
20) Perylene-d12	23.45	264	5477m	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.02	152	338	0.05	ng/ul	0.00
14) Fluoranthene-d10	19.07	212	924	0.06	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.46	128	451	0.042	ng/ul#	66
5) 2-Methylnaphthalene	12.10	142	232	0.033	ng/ul	95
7) Acenaphthylene	14.00	152	1521	0.154	ng/ul#	93
8) Acenaphthene	14.35	153	3154	0.389	ng/ul	97
9) Fluorene	15.34	166	4140	0.460	ng/ul	97
12) Phenanthrene	17.08	178	81519	5.645	ng/ul	96
13) Anthracene	17.17	178	12130	0.985	ng/ul	96
15) Fluoranthene	19.10	202	150149	7.762	ng/ul	95
17) Pyrene	19.47	202	118724	5.796	ng/ul	97
18) Benzo(a)anthracene	21.22	228	54766	3.071	ng/ul	99
19) Chrysene	21.27	228	63765	2.781	ng/ul	99
21) Benzo(b)fluoranthene	22.79	252	73929m	4.003	ng/ul	
22) Benzo(k)fluoranthene	22.83	252	28250m	1.352	ng/ul	
23) Benzo(a)pyrene	23.36	252	49852	2.654	ng/ul#	78
24) Indeno(1,2,3-cd)pyrene	25.67	276	36960	1.648	ng/ul#	90
25) Dibenzo(a,h)anthracene	25.67	278	8818	0.486	ng/ul#	95
26) Benzo(a,h,i)perylene	26.35	276	35258	1.746	ng/ul	97

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

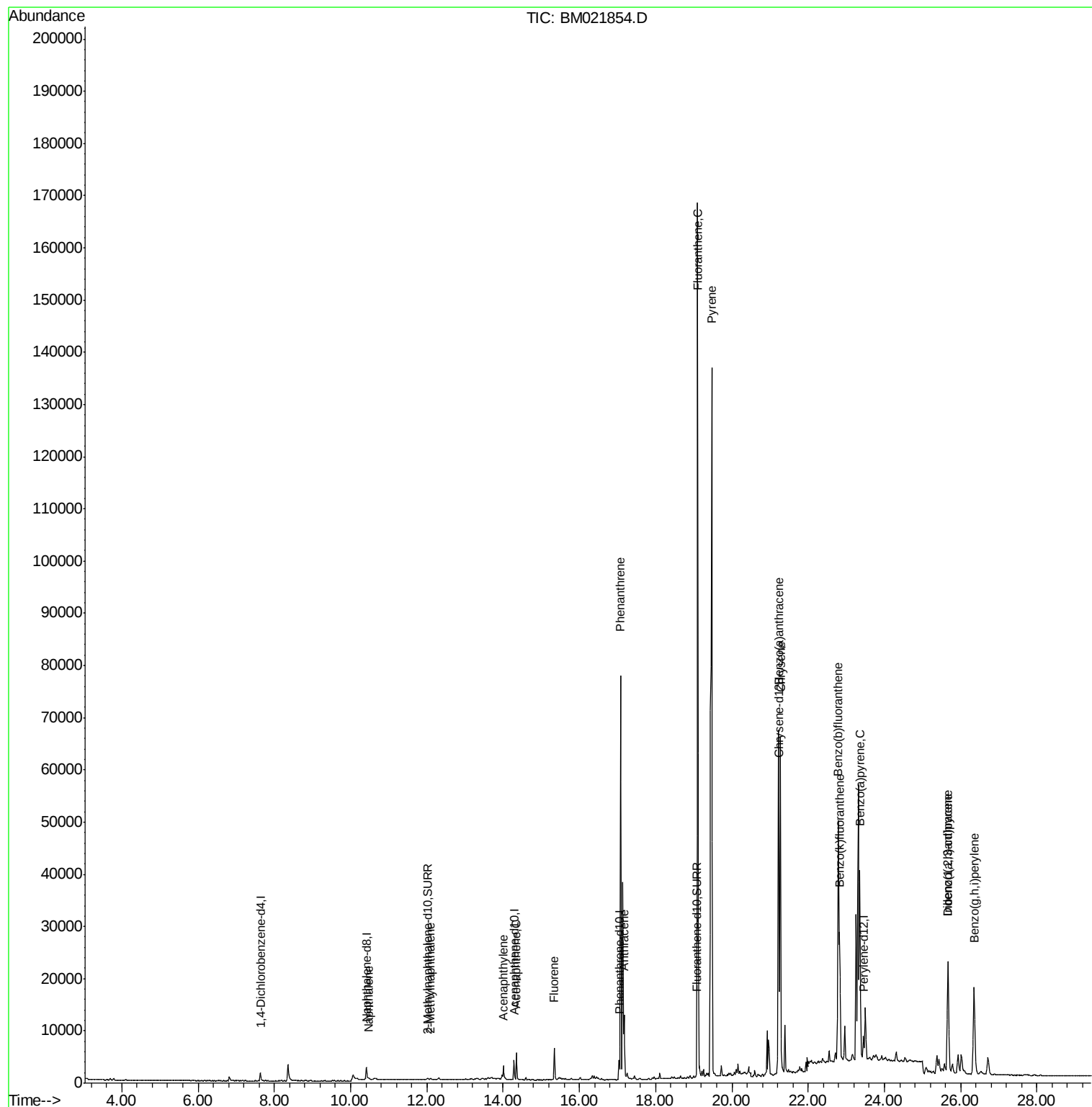
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080319\
Data File : BM021854.D
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Misc :
ALS Vial : 12 Sample Multiplier: 1

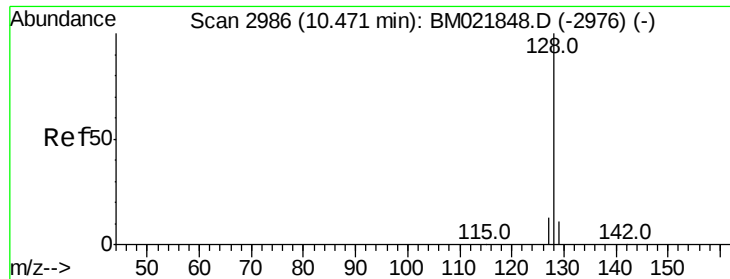
Instrument :
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A52F5DL

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Quant Time: Aug 06 02:39:12 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 : Tue Aug 06 01:29:26 2019
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.042 ng/ul

RT: 10.46 min Scan# 2985

Delta R.T. -0.01 min

Lab File: BM021854.D

Acq: 05 Aug 2019 22:20

Instrument :

BNA_M

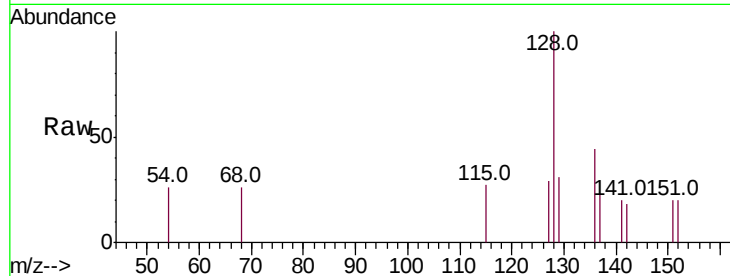
ClientSampleId :

A52F5DL

Tot Ion:	128	Resp:	451
Ion	Ratio	Lower	Upper
128	100		
129	31.3	12.3	18.5#
127	28.9	13.0	19.6#

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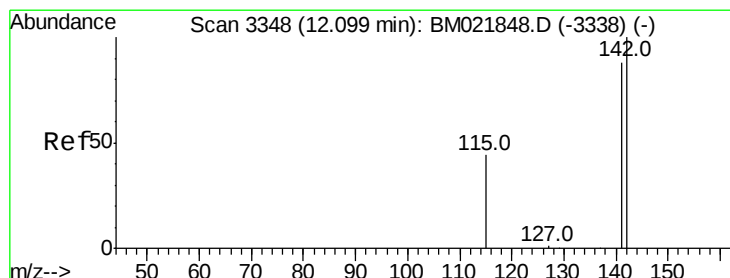
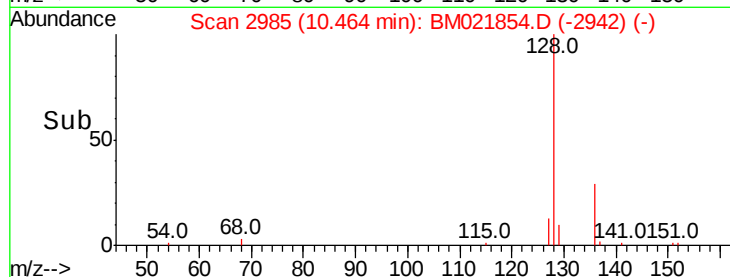
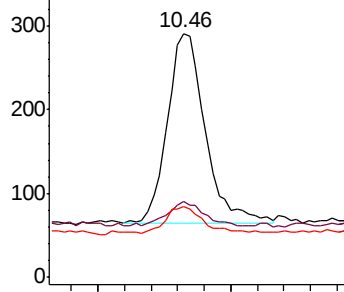
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#5

2-Methylnaphthalene

Concen: 0.033 ng/ul

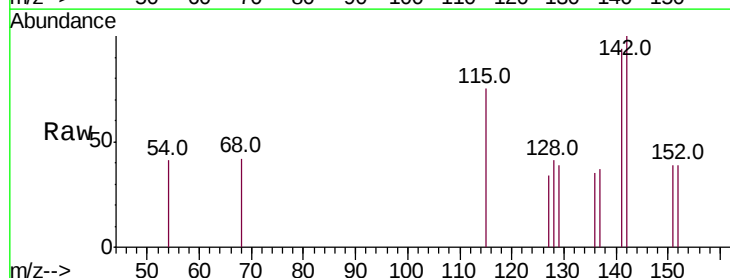
RT: 12.10 min Scan# 3348

Delta R.T. -0.00 min

Lab File: BM021854.D

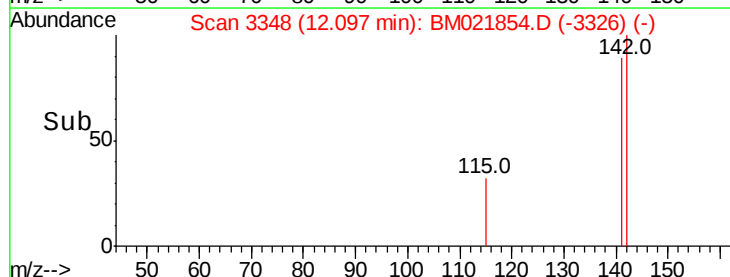
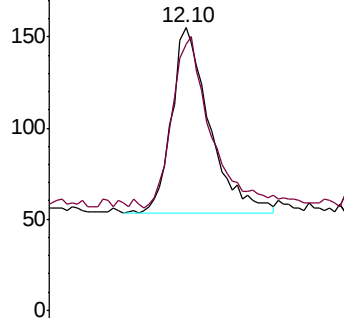
Acq: 05 Aug 2019 22:20

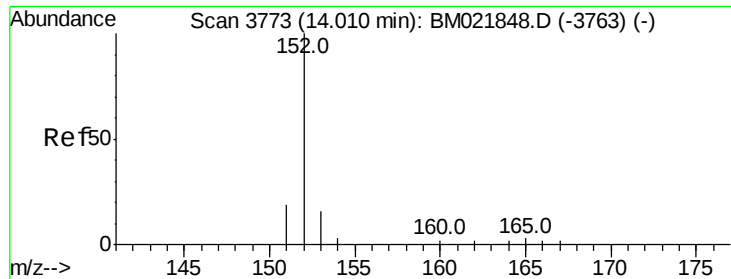
Tgt Ion:	142	Resp:	232
Ion	Ratio	Lower	Upper
142	100		
141	97.4	74.3	111.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.154 ng/ul

RT: 14.00 min Scan# 3772

Delta R.T. -0.01 min

Lab File: BM021854.D

Acq: 05 Aug 2019 22:20

Instrument :

BNA_M

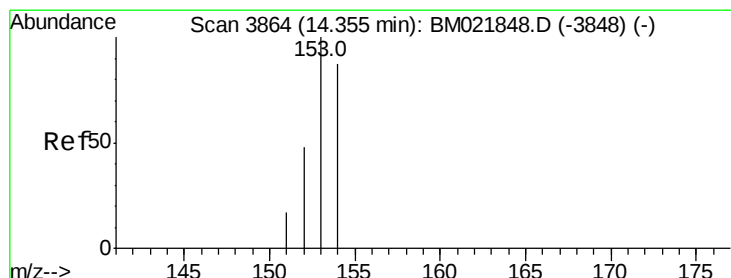
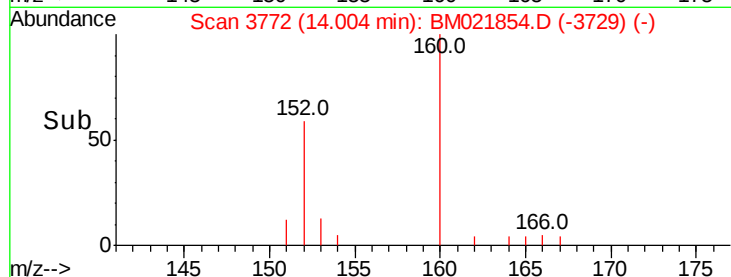
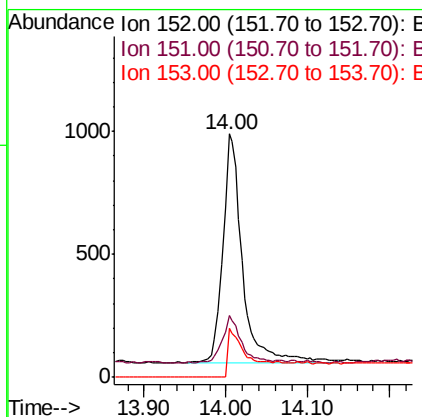
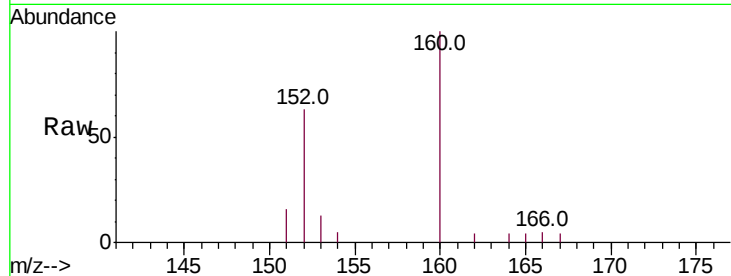
ClientSampleId :

A52F5DL

Tot Ion:	152	Resp:	1521
Ion Ratio	Lower	Upper	
152	100		
151	25.4	18.3	27.5
153	20.1	12.8	19.2

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#8

Acenaphthene

Concen: 0.389 ng/ul

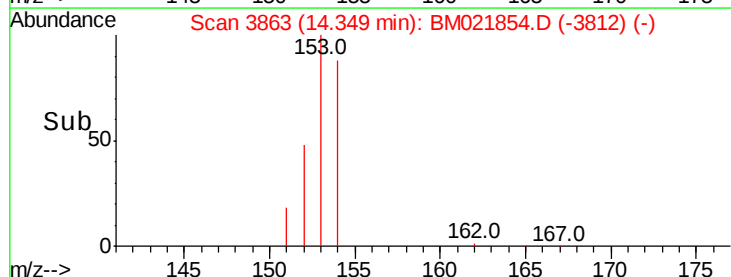
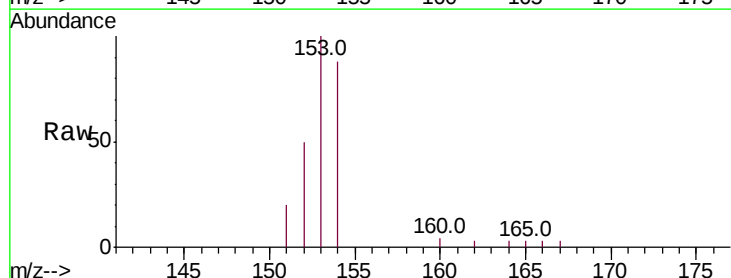
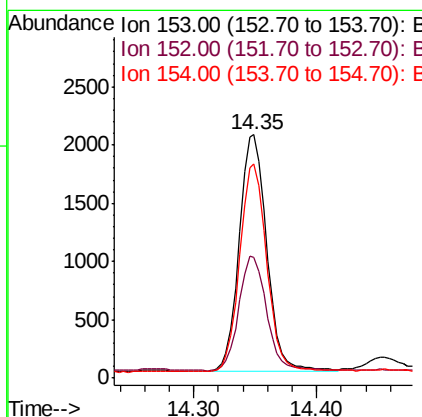
RT: 14.35 min Scan# 3863

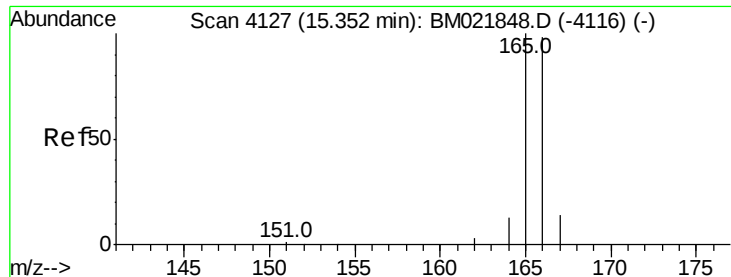
Delta R.T. -0.01 min

Lab File: BM021854.D

Acq: 05 Aug 2019 22:20

Tgt Ion:	153	Resp:	3154
Ion Ratio	Lower	Upper	
153	100		
152	49.8	41.3	61.9
154	88.0	72.3	108.5





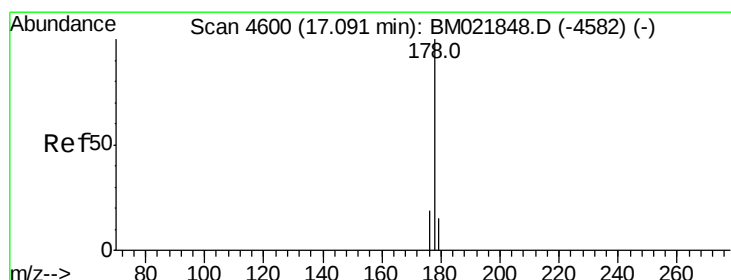
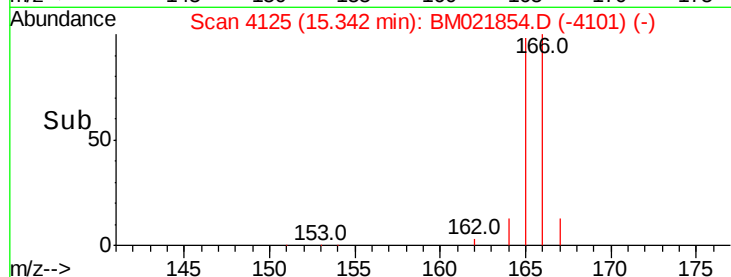
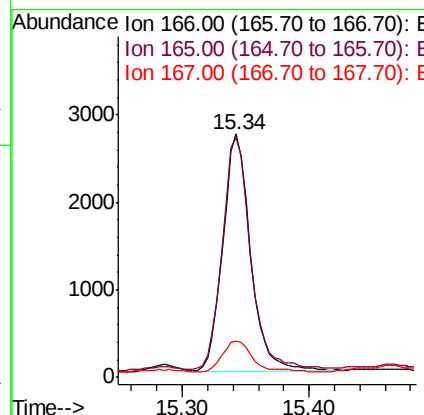
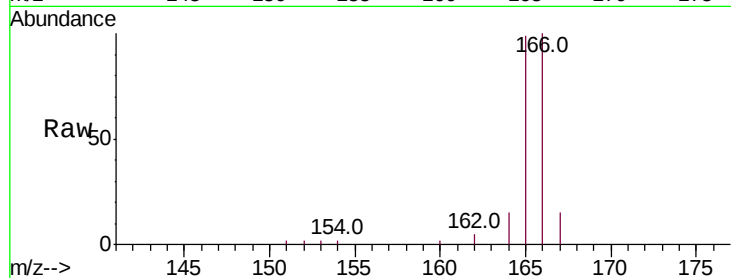
#9
Fluorene
 Concen: 0.460 ng/ul
 RT: 15.34 min Scan# 4125
 Delta R.T. -0.01 min
 Lab File: BM021854.D
 Acq: 05 Aug 2019 22:20

Instrument :
 BNA_M
 ClientSampleId :
 A52F5DL

Tot Ion	Ratio	Resp	Lower	Upper
166	100			
165	98.7	81.4	122.0	
167	15.0	13.7	20.5	

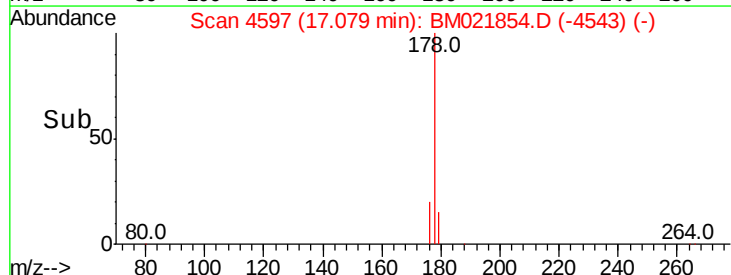
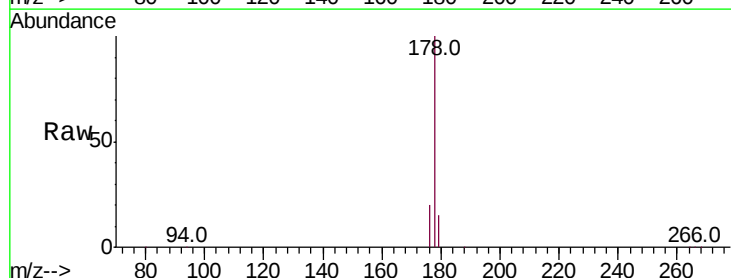
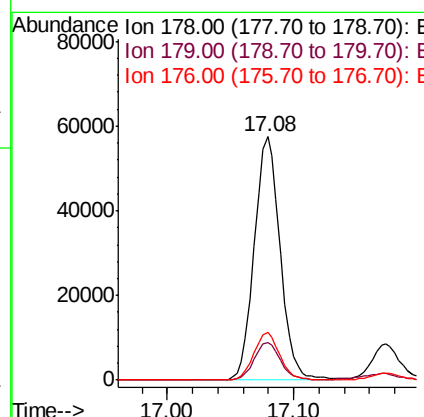
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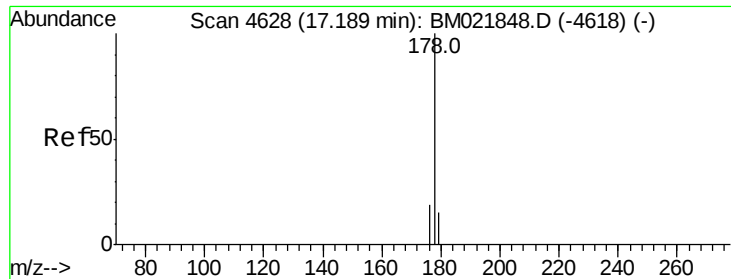
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#12
Phenanthrene
 Concen: 5.645 ng/ul
 RT: 17.08 min Scan# 4597
 Delta R.T. -0.01 min
 Lab File: BM021854.D
 Acq: 05 Aug 2019 22:20

Tgt Ion	Ratio	Resp	Lower	Upper
178	100			
179	15.4	14.2	21.2	
176	19.6	16.8	25.2	





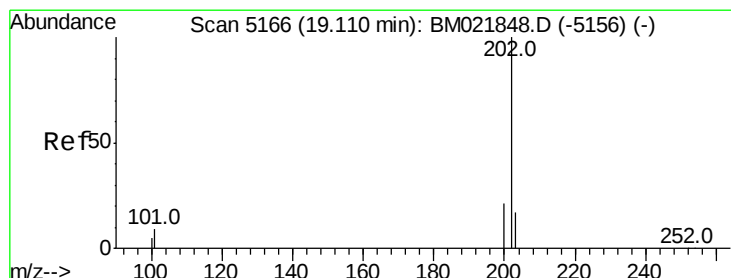
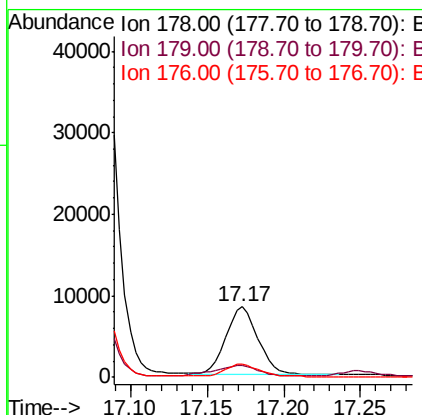
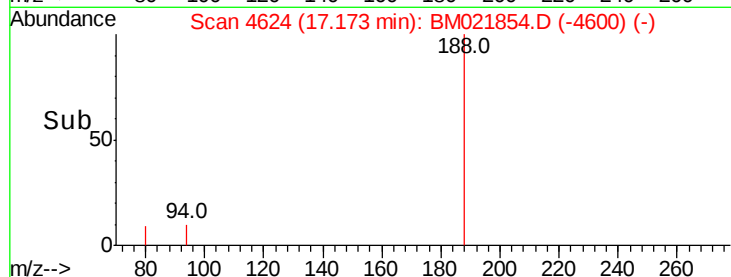
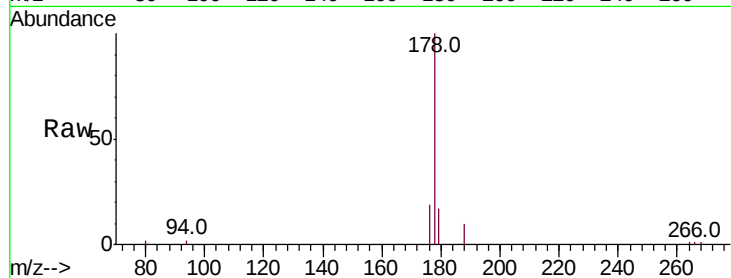
#13
 Anthracene
 Concen: 0.985 ng/ul
 RT: 17.17 min Scan# 4624
 Delta R.T. -0.02 min
 Lab File: BM021854.D
 Acq: 05 Aug 2019 22:20

Instrument :
 BNA_M
 ClientSampleId :
 A52F5DL

Tot Ion:	178	Resp:	12130
Ion Ratio	Lower	Upper	
178	100		
179	17.4	15.5	23.3
176	19.1	16.6	25.0

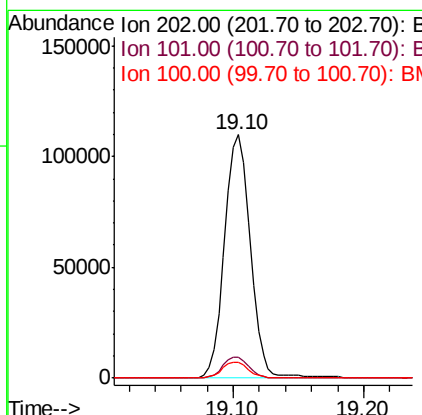
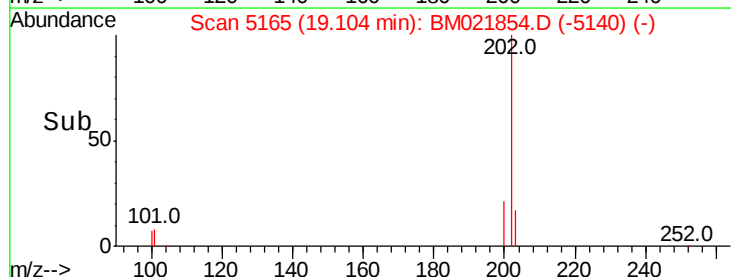
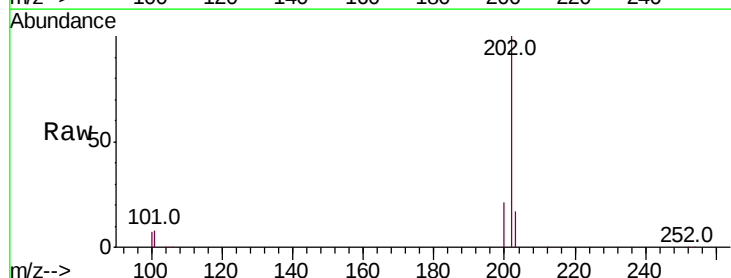
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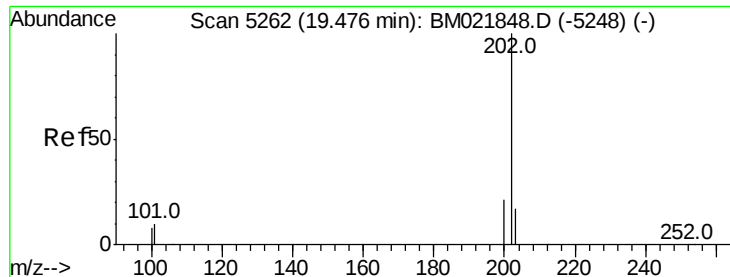
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#15
 Fluoranthene
 Concen: 7.762 ng/ul
 RT: 19.10 min Scan# 5165
 Delta R.T. -0.01 min
 Lab File: BM021854.D
 Acq: 05 Aug 2019 22:20

Tgt Ion:	202	Resp:	150149
Ion Ratio	Lower	Upper	
202	100		
101	8.4	0.0	30.2
100	6.6	0.0	28.1





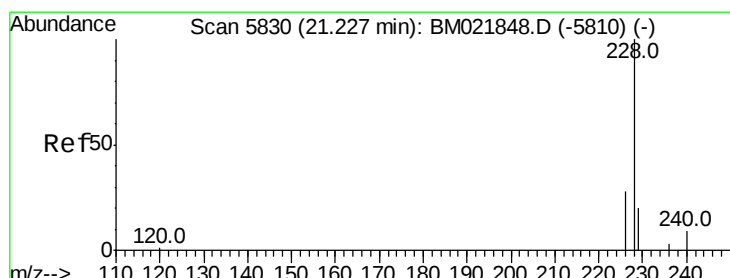
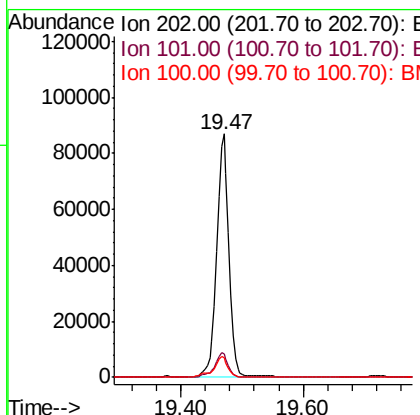
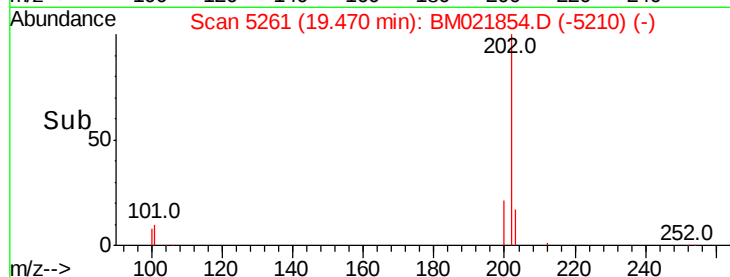
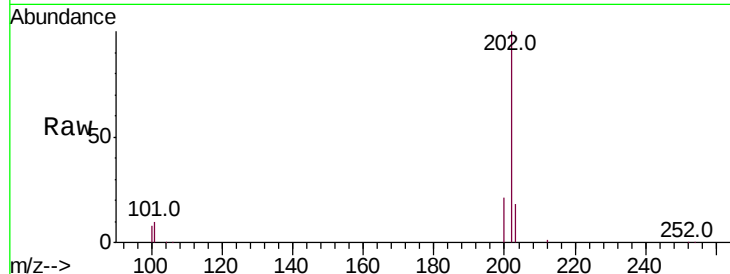
#17
Pvrene
Concen: 5.796 ng/ul
RT: 19.47 min Scan# 5261
Delta R.T. -0.01 min
Lab File: BM021854.D
Acq: 05 Aug 2019 22:20

Instrument :
BNA_M
ClientSampled :
A52F5DL

Tot Ion:	202	Resp:	118724
Ion Ratio	Lower	Upper	
202	100		
101	9.7	8.3	12.5
100	7.9	7.2	10.8

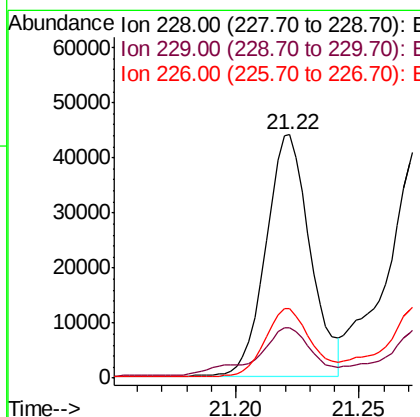
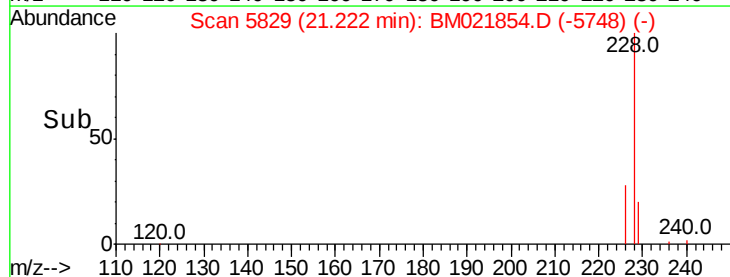
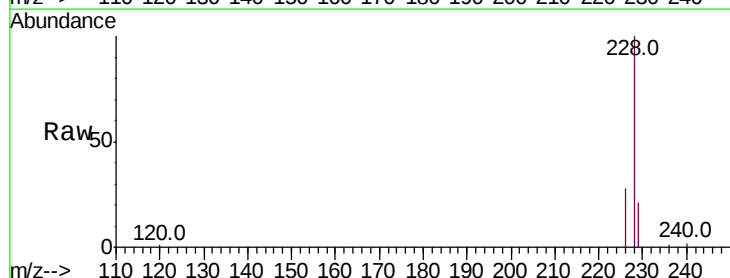
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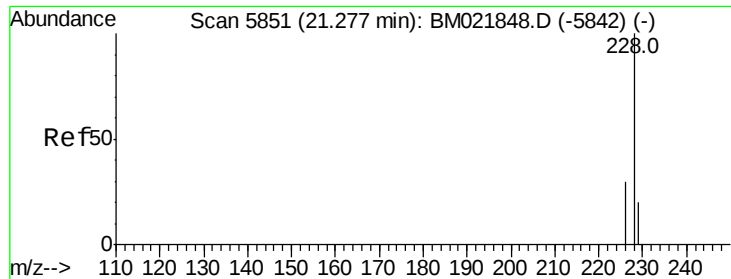
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#18
Benzo(a)anthracene
Concen: 3.071 ng/ul
RT: 21.22 min Scan# 5829
Delta R.T. -0.00 min
Lab File: BM021854.D
Acq: 05 Aug 2019 22:20

Tgt Ion:	228	Resp:	54766
Ion Ratio	Lower	Upper	
228	100		
229	20.7	17.2	25.8
226	28.3	22.6	34.0





#19

Chrysene

Concen: 2.781 ng/ul

RT: 21.27 min Scan# 5850

Delta R.T. -0.00 min

Lab File: BM021854.D

Acq: 05 Aug 2019 22:20

Instrument :

BNA_M

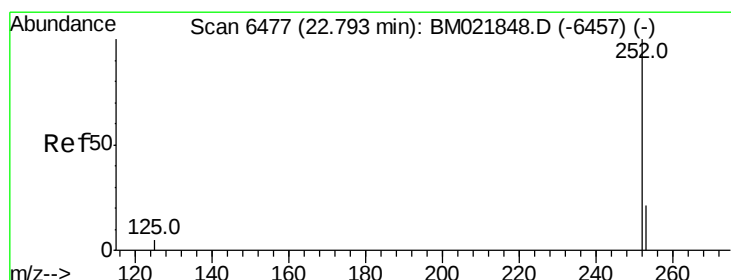
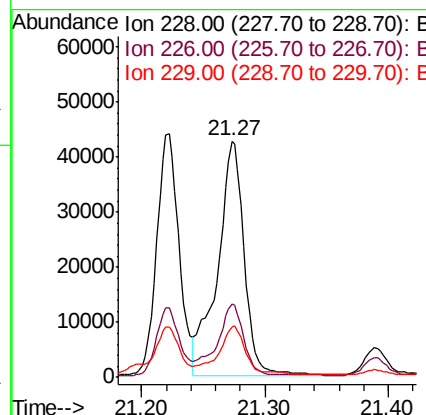
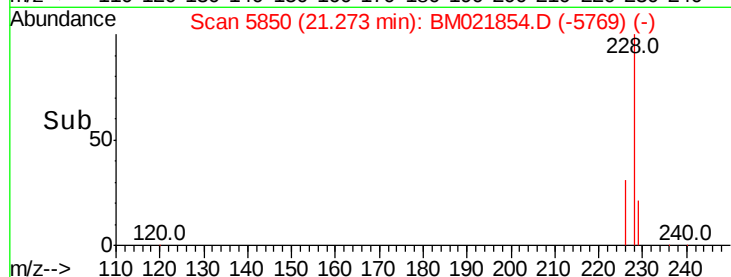
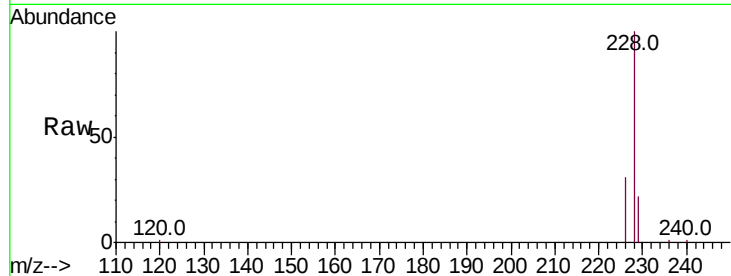
ClientSampleId :

A52F5DL

Tot Ion:228	Resp:	63765
Ion Ratio	Lower	Upper
228 100		
226 31.1	24.9	37.3
229 21.5	16.6	25.0

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#21

Benzo(b)fluoranthene

Concen: 4.003 ng/ul m

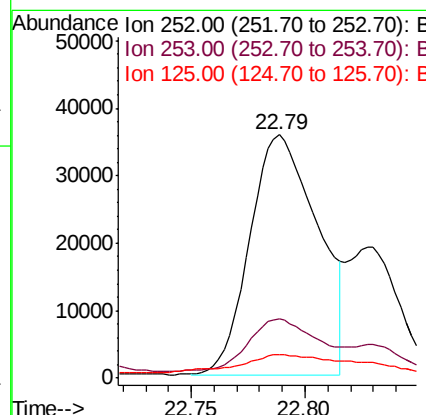
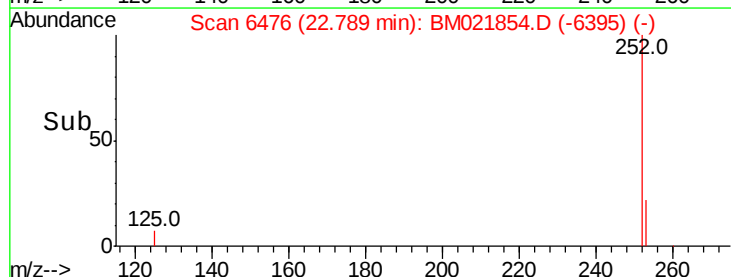
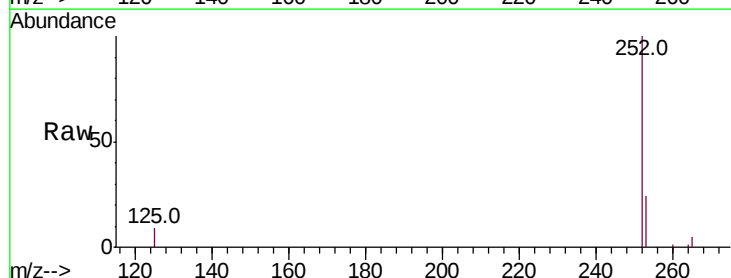
RT: 22.79 min Scan# 6476

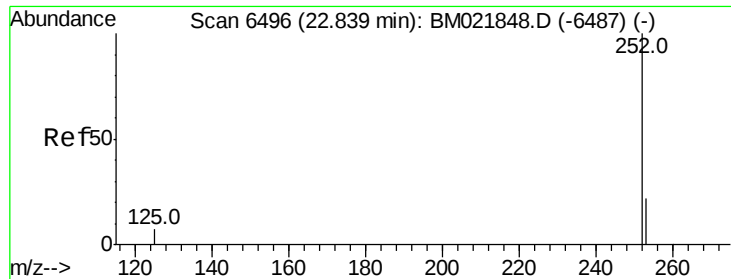
Delta R.T. -0.00 min

Lab File: BM021854.D

Acq: 05 Aug 2019 22:20

Tgt Ion:252	Resp:	73929
Ion Ratio	Lower	Upper
252 100		
253 24.3	0.0	67.4
125 9.4	0.0	31.0





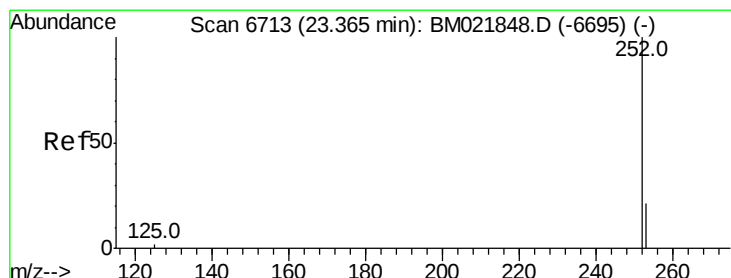
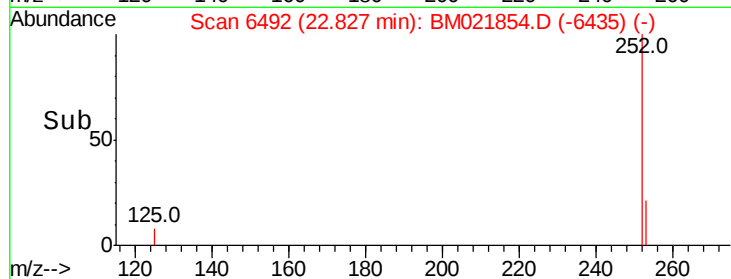
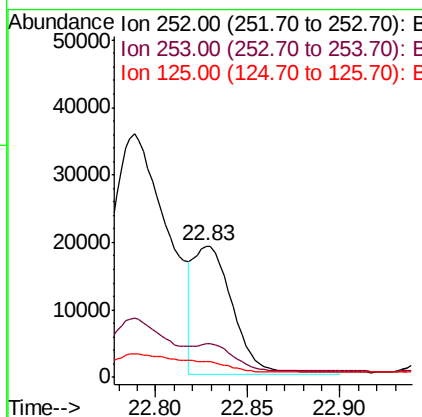
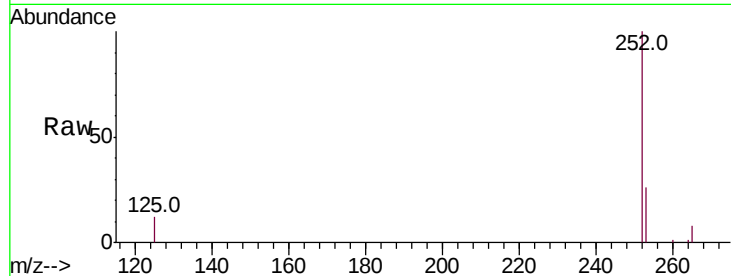
#22
Benzo(k)fluoranthene
Concen: 1.352 ng/ul m
RT: 22.83 min Scan# 6492
Delta R.T. -0.01 min
Lab File: BM021854.D
Acq: 05 Aug 2019 22:20

Instrument :
BNA_M
ClientSampleId :
A52F5DL

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	25.9	27.0	40.4#
125	11.9	12.2	18.2#

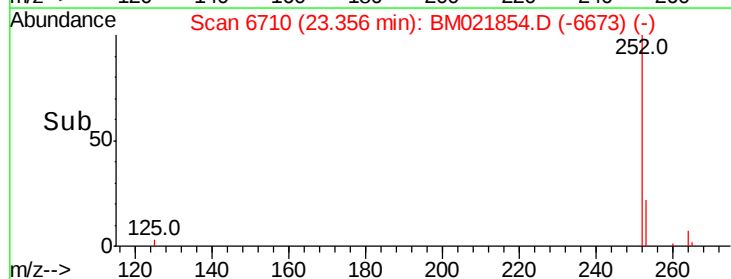
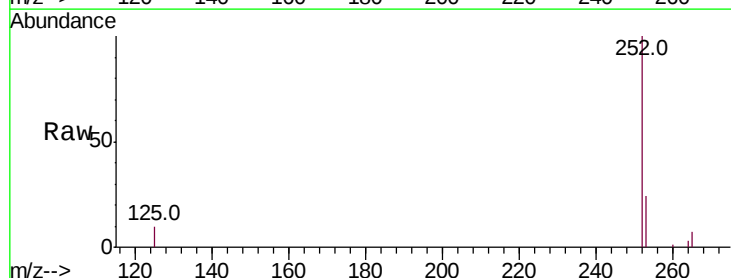
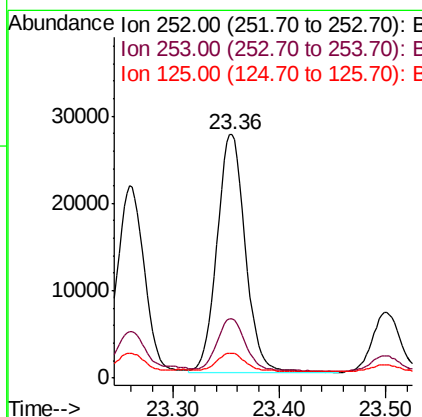
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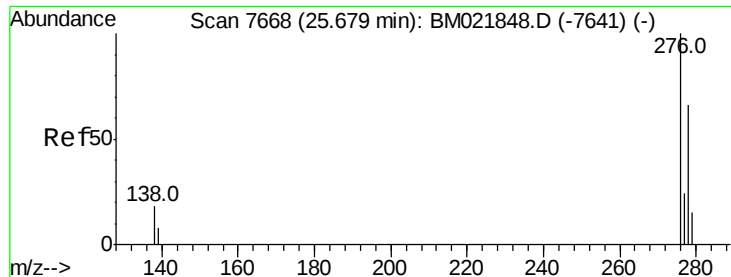
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#23
Benzo(a)pyrene
Concen: 2.654 ng/ul
RT: 23.36 min Scan# 6710
Delta R.T. -0.01 min
Lab File: BM021854.D
Acq: 05 Aug 2019 22:20

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	24.5	31.7	47.5#
125	10.3	14.6	21.8#





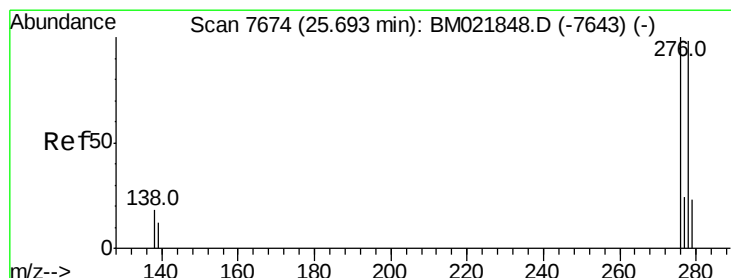
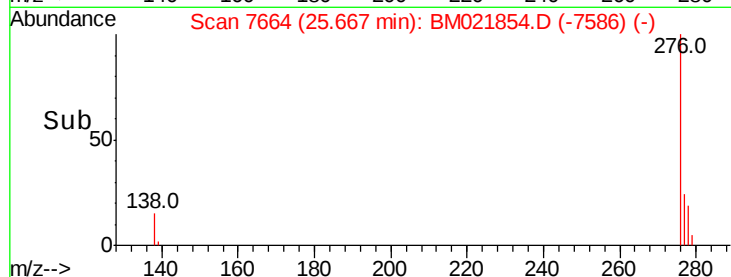
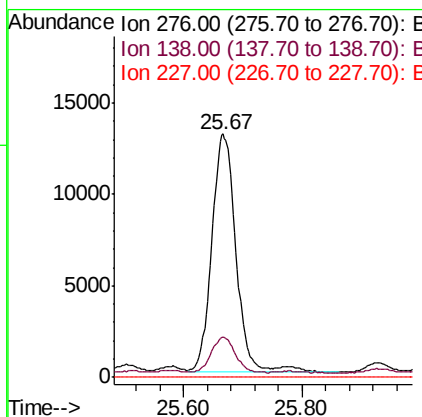
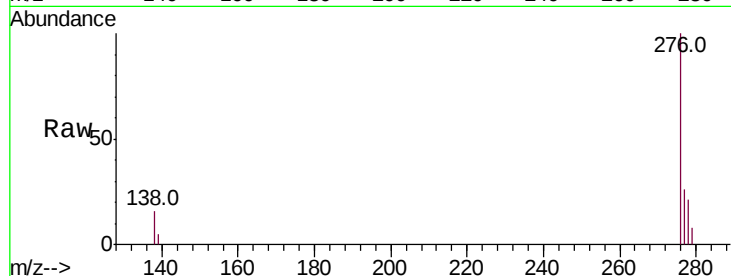
#24
 Indeno(1,2,3-cd)pyrene
 Concen: 1.648 ng/ul
 RT: 25.67 min Scan# 7664
 Delta R.T. -0.01 min
 Lab File: BM021854.D
 Acq: 05 Aug 2019 22:20

Instrument :
 BNA_M
 ClientSampleId :
 A52F5DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	14.4	15.1	22.7#
227	0.0	0.0	0.0

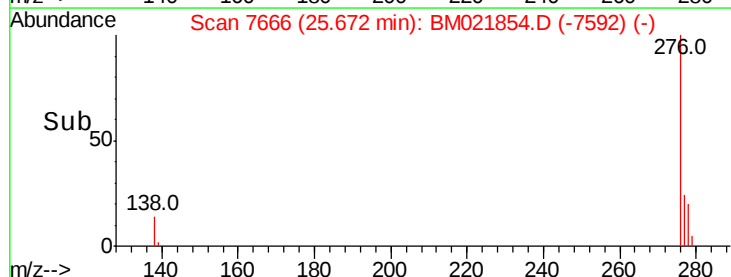
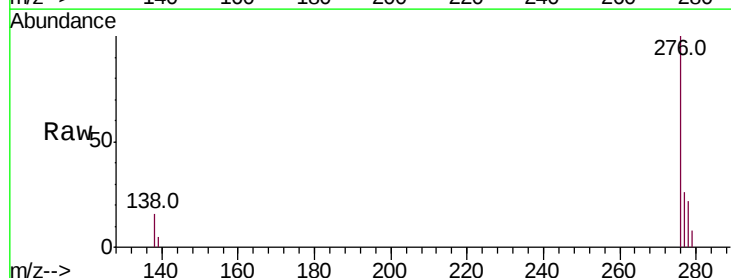
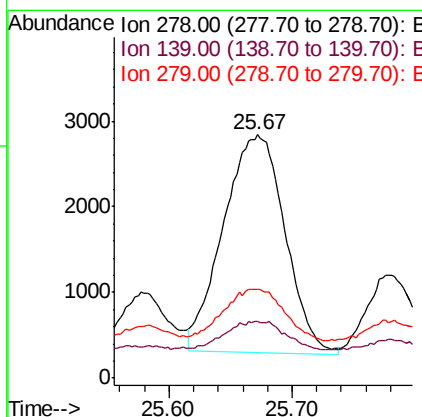
Manual Integrations
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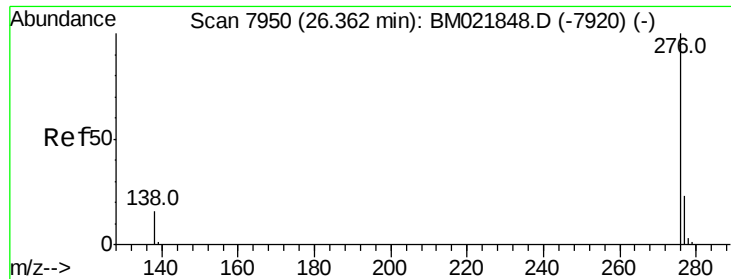
mohammad
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#25
 Dibenzo(a,h)anthracene
 Concen: 0.486 ng/ul
 RT: 25.67 min Scan# 7666
 Delta R.T. -0.02 min
 Lab File: BM021854.D
 Acq: 05 Aug 2019 22:20

Tgt Ion	Ratio	Lower	Upper
278	100		
139	23.1	14.2	21.2#
279	36.2	28.3	42.5





#26
 Benzo(a,h,i)perylene
 Concen: 1.746 ng/ul
 RT: 26.35 min Scan# 7946
 Delta R.T. -0.01 min
 Lab File: BM021854.D
 Acq: 05 Aug 2019 22:20

Instrument :
 BNA_M
 ClientSampleId :
 A52F5DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	17.0	15.5	23.3
277	25.8	21.4	32.2

Manual Integrations
 APPROVED

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