

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM080319\
 Data File : BM021842.D
 Acq On : 05 Aug 2019 14:25
 Operator : HP/JU
 Sample : K3850-13DL 5X
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BENS0DL

Manual Integrations
 APPROVED

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 8/5/2019 10:17:19 PM

Quant Time: Aug 05 15:11:23 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 : Mon Aug 05 08:19:16 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.64	152	932	0.40	ng/ul	0.00
2) Naphthalene-d8	10.42	136	3755	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.29	164	2188	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.04	188	5129	0.40	ng/ul	-0.02
16) Chrysene-d12	21.24	240	5122	0.40	ng/ul	-0.01
20) Perylene-d12	23.46	264	8238	0.40	ng/ul	-0.01

System Monitoring Compounds

4) 2-Methylnaphthalene-d10	12.03	152	259	0.04	ng/ul	-0.01
14) Fluoranthene-d10	19.08	212	764	0.04	ng/ul	-0.01

Target Compounds

					Qvalue	
3) Naphthalene	10.47	128	922	0.087	ng/ul#	88
5) 2-Methylnaphthalene	12.10	142	564	0.080	ng/ul	100
7) Acenaphthylene	14.01	152	1516	0.149	ng/ul#	91
8) Acenaphthene	14.35	153	13275	1.590	ng/ul	97
9) Fluorene	15.34	166	8213	0.886	ng/ul	97
12) Phenanthrene	17.08	178	139881	9.373	ng/ul	96
13) Anthracene	17.17	178	39296	3.087	ng/ul	95
15) Fluoranthene	19.11	202	436001	21.810	ng/ul	94
17) Pyrene	19.47	202	396790	18.852	ng/ul	97
18) Benzo(a)anthracene	21.22	228	301456	16.454	ng/ul	99
19) Chrysene	21.28	228	280858	11.920	ng/ul	99
21) Benzo(b)fluoranthene	22.80	252	393980m	14.182	ng/ul	
22) Benzo(k)fluoranthene	22.83	252	146510m	4.660	ng/ul	
23) Benzo(a)pyrene	23.36	252	299523	10.602	ng/ul#	74
24) Indeno(1,2,3-cd)pyrene	25.68	276	175519	5.203	ng/ul#	91
25) Dibenzo(a,h)anthracene	25.68	278	50282m	1.844	ng/ul	
26) Benzo(g,h,i)perylene	26.35	276	168795	5.558	ng/ul#	93

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

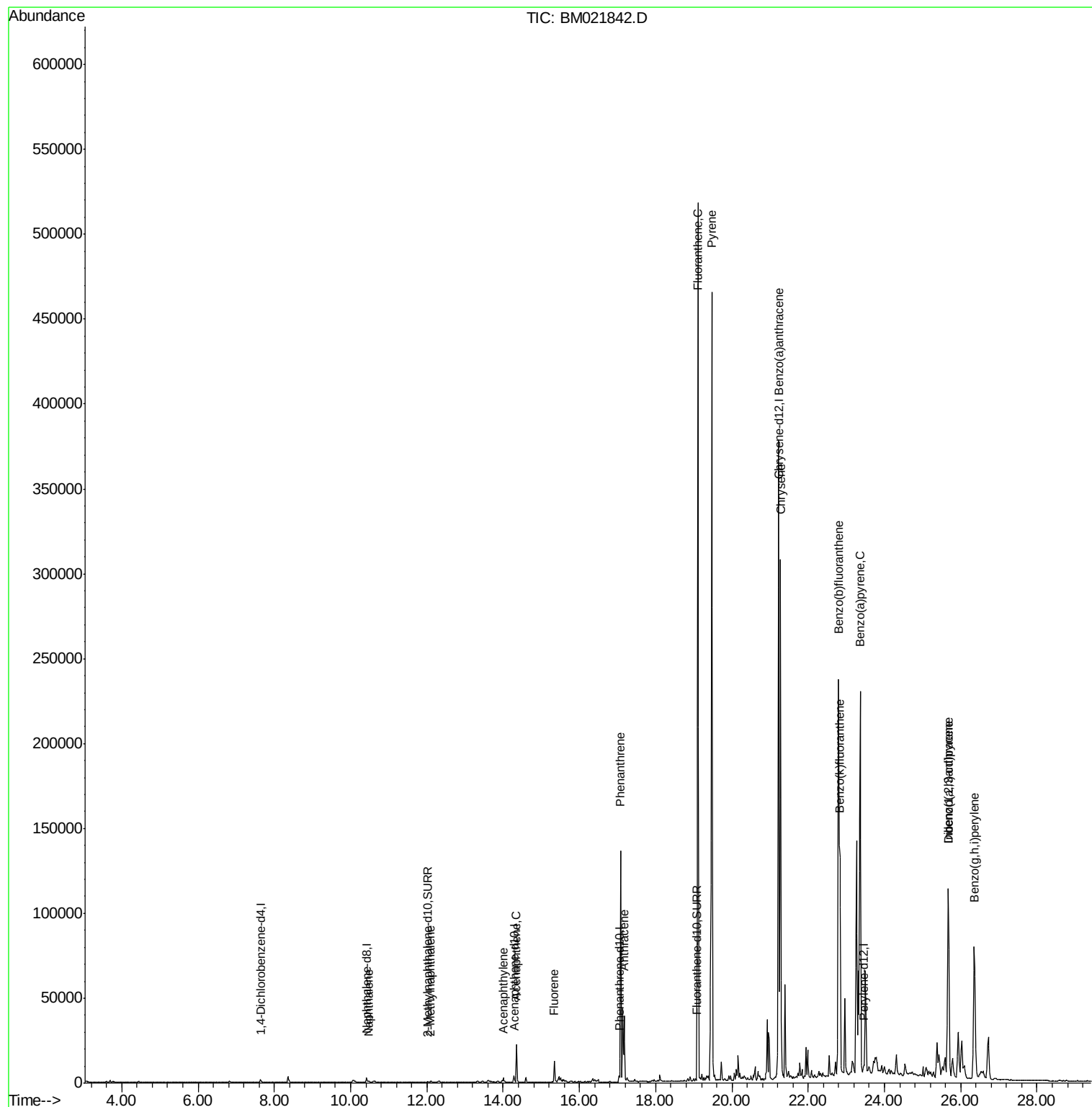
Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM080319\
Data File : BM021842.D
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Sample : K3850-13DL 5X
Misc :
ALS Vial : 1 Sample Multiplier: 1

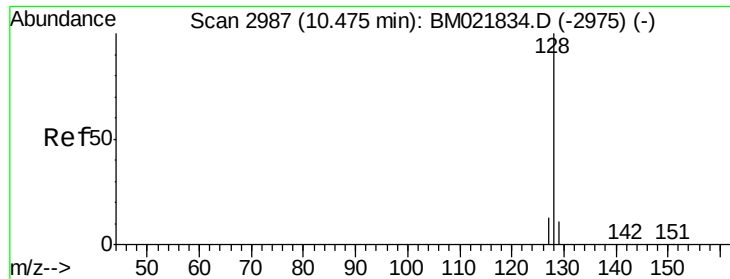
Instrument :
BNA_M
ClientSampleId :
BENS0DL

Quant Time: Aug 05 15:11:23 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
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#3

Naphthalene

Concen: 0.087 ng/ul

RT: 10.47 min Scan# 2986

Delta R.T. -0.01 min

Lab File: BM021842.D

Acq: 05 Aug 2019 14:25

Instrument :

BNA_M

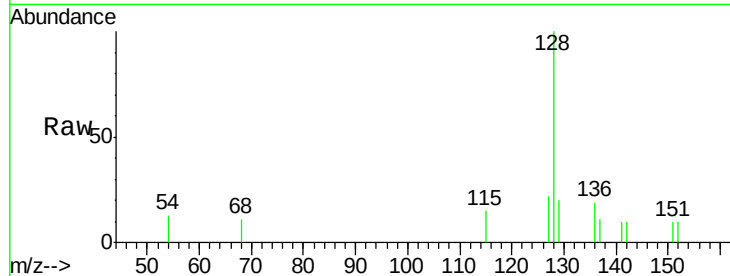
ClientSampleId :

BENS0DL

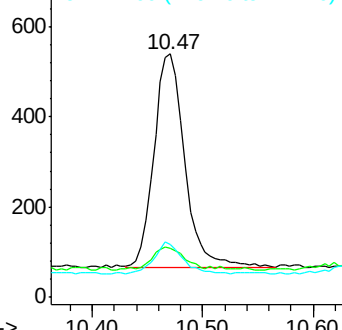
Tgt Ion:	128	Resp:	922
Ion Ratio	Lower	Upper	
128	100		
129	20.4	12.3	18.5#
127	21.7	13.0	19.6#

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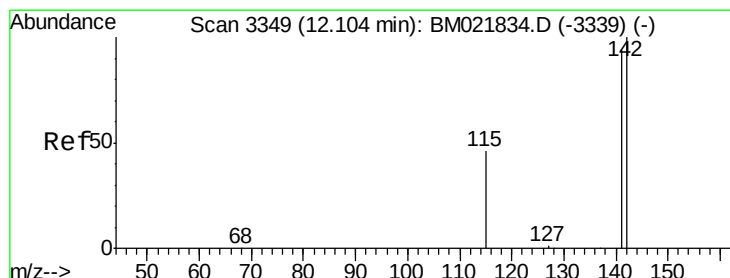
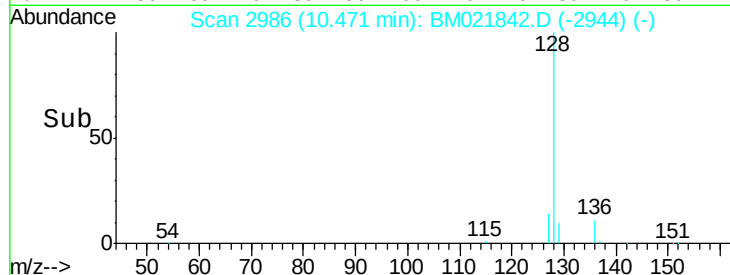
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Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



Time-->



#5

2-Methylnaphthalene

Concen: 0.080 ng/ul

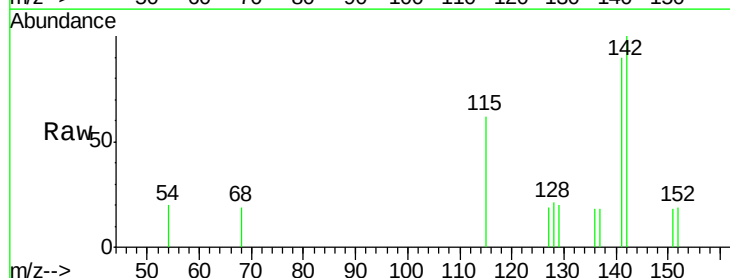
RT: 12.10 min Scan# 3348

Delta R.T. -0.02 min

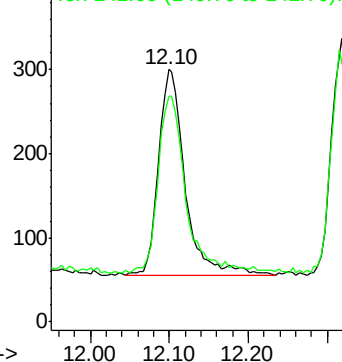
Lab File: BM021842.D

Acq: 05 Aug 2019 14:25

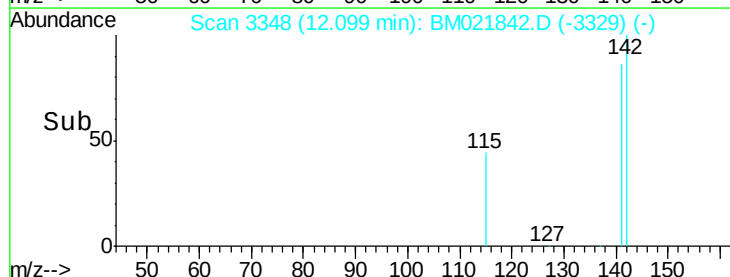
Tgt Ion:	142	Resp:	564
Ion Ratio	Lower	Upper	
142	100		
141	92.7	74.3	111.5

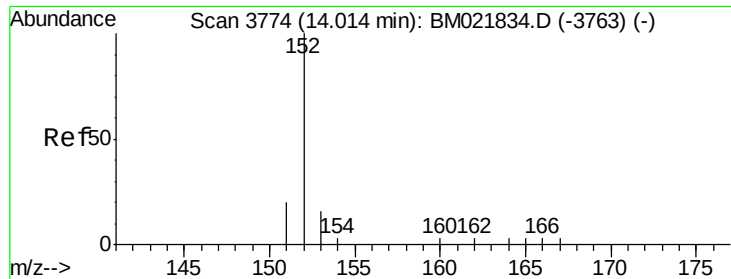


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E



Time-->





#7

Acenaphthylene

Concen: 0.149 ng/ul

RT: 14.01 min Scan# 3772

Delta R.T. -0.01 min

Lab File: BM021842.D

Acq: 05 Aug 2019 14:25

Instrument :

BNA_M

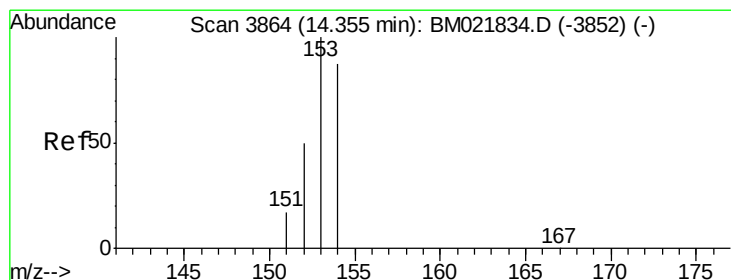
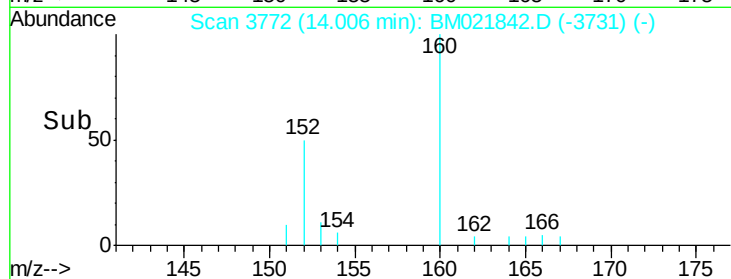
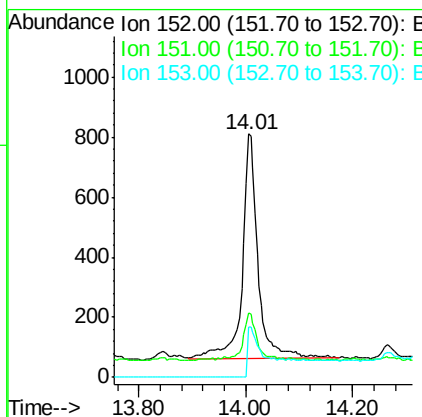
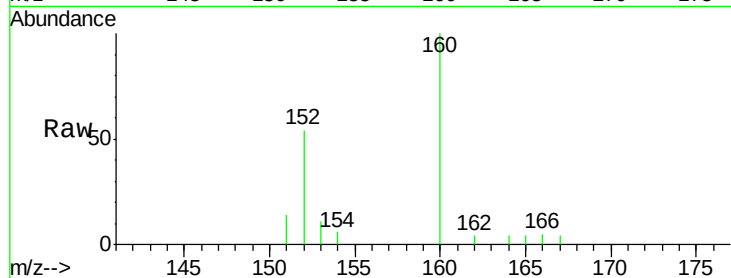
ClientSampleId :

BENSODL

Tgt Ion:	152	Resp:	1516
Ion Ratio	Lower	Upper	
152	100		
151	26.4	18.3	27.5
153	20.5	12.8	19.2#

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#8

Acenaphthene

Concen: 1.590 ng/ul

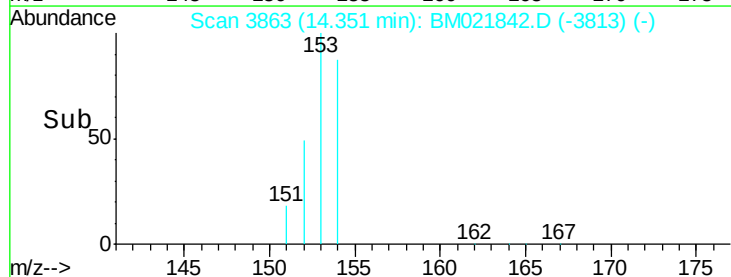
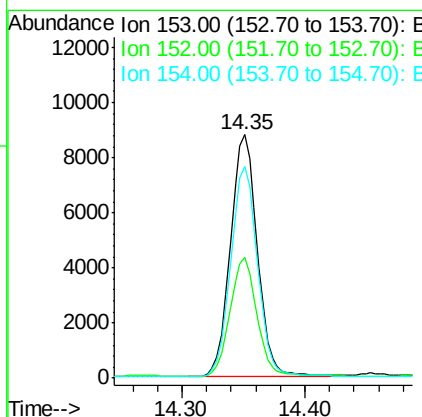
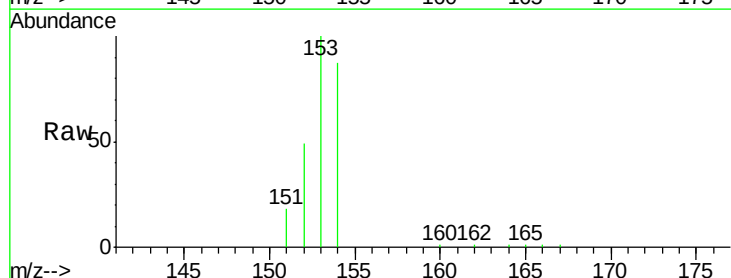
RT: 14.35 min Scan# 3863

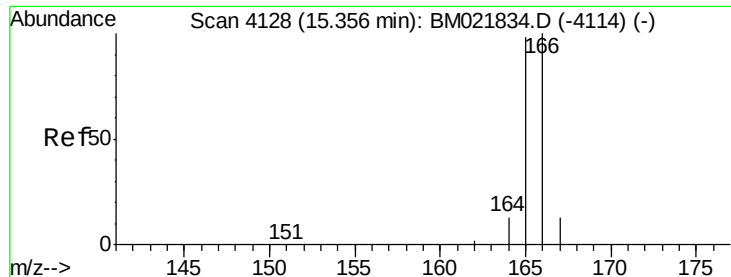
Delta R.T. -0.01 min

Lab File: BM021842.D

Acq: 05 Aug 2019 14:25

Tgt Ion:	153	Resp:	13275
Ion Ratio	Lower	Upper	
153	100		
152	49.4	41.3	61.9
154	87.1	72.3	108.5





#9

Fluorene

Concen: 0.886 ng/ul

RT: 15.34 min Scan# 4125

Delta R.T. -0.02 min

Lab File: BM021842.D

Acq: 05 Aug 2019 14:25

Instrument :

BNA_M

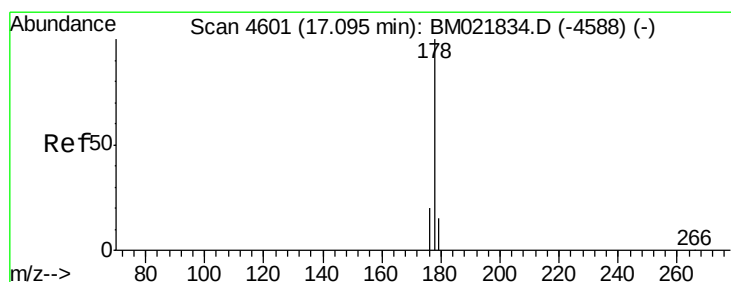
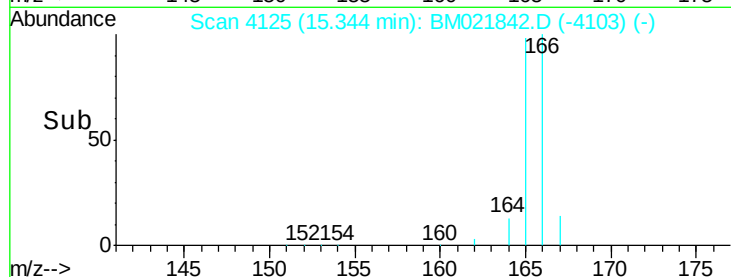
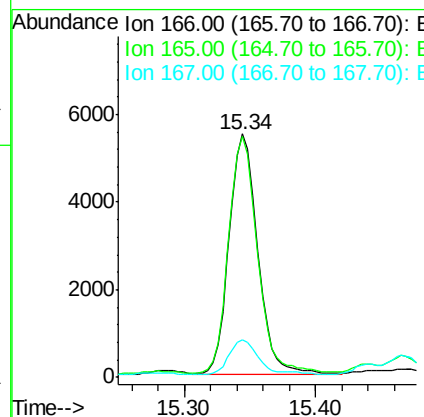
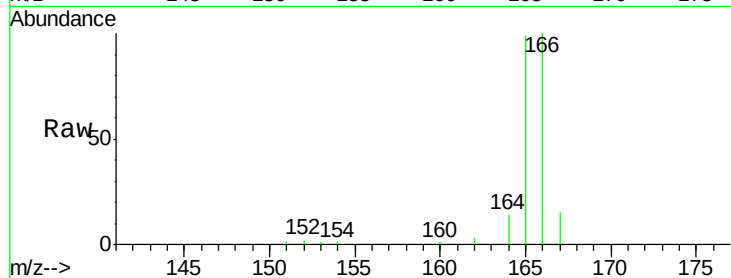
ClientSampleId :

BENSODL

Tgt Ion:	166	Resp:	8213
Ion Ratio	Lower	Upper	
166	100		
165	98.8	81.4	122.0
167	15.3	13.7	20.5

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#12

Phenanthrene

Concen: 9.373 ng/ul

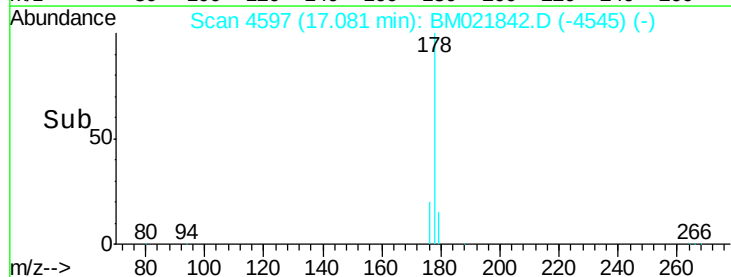
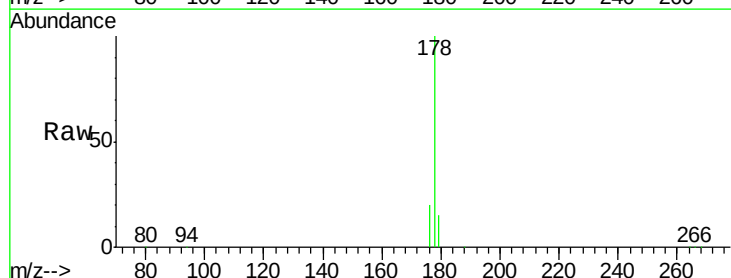
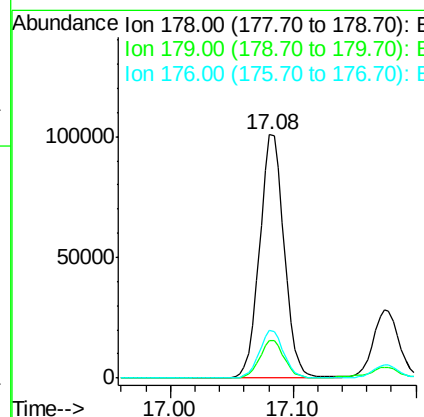
RT: 17.08 min Scan# 4597

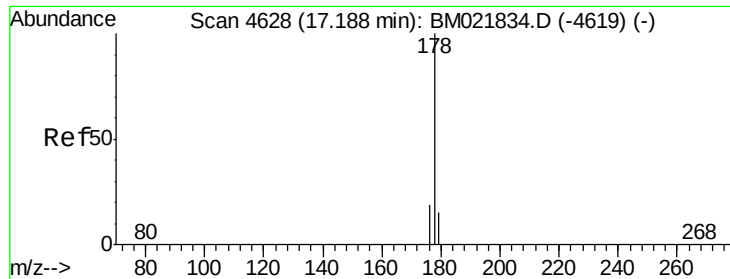
Delta R.T. -0.02 min

Lab File: BM021842.D

Acq: 05 Aug 2019 14:25

Tgt Ion:	178	Resp:	139881
Ion Ratio	Lower	Upper	
178	100		
179	15.4	14.2	21.2
176	19.6	16.8	25.2





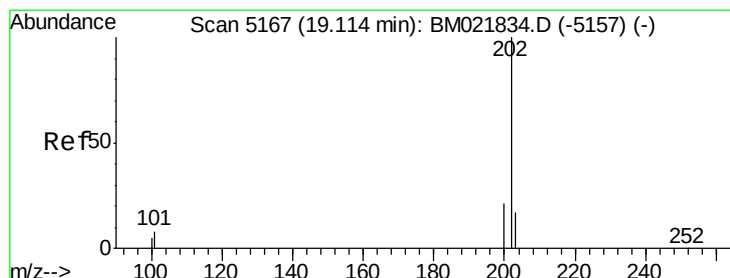
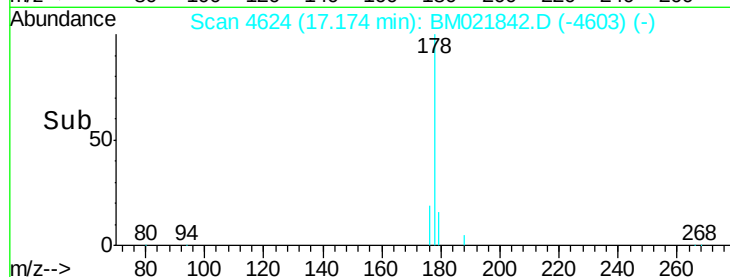
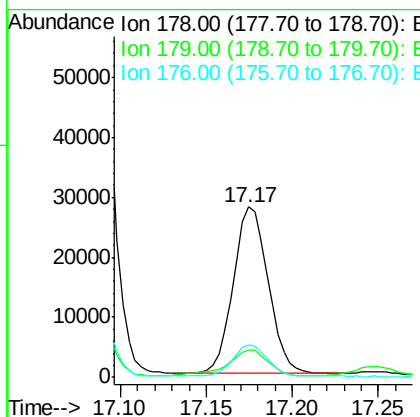
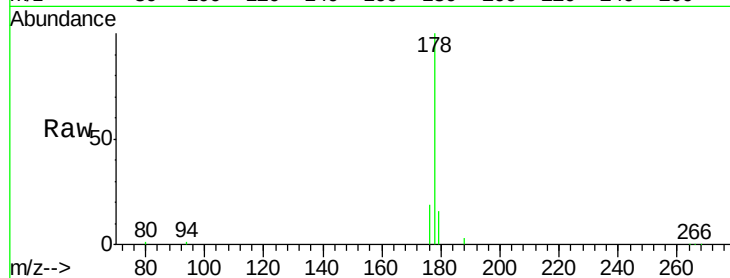
#13
 Anthracene
 Concen: 3.087 ng/ul
 RT: 17.17 min Scan# 4624
 Delta R.T. -0.03 min
 Lab File: BM021842.D
 Acq: 05 Aug 2019 14:25

Instrument :
 BNA_M
 ClientSampled :
 BENSODL

Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.1	15.5	23.3
176	19.1	16.6	25.0

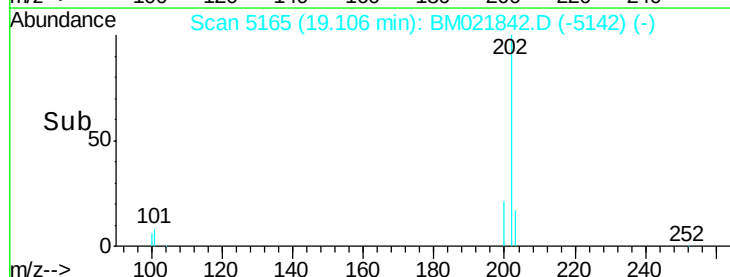
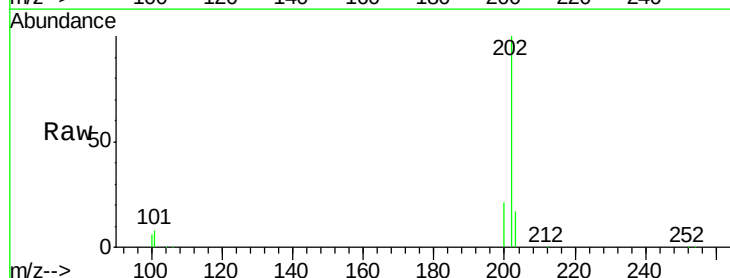
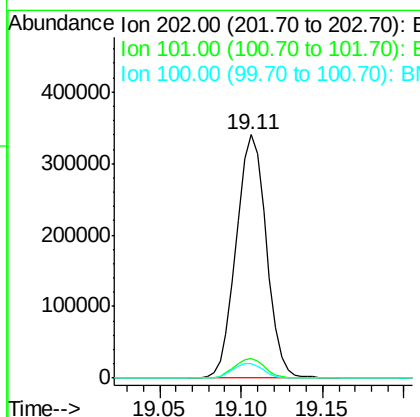
Manual Integrations
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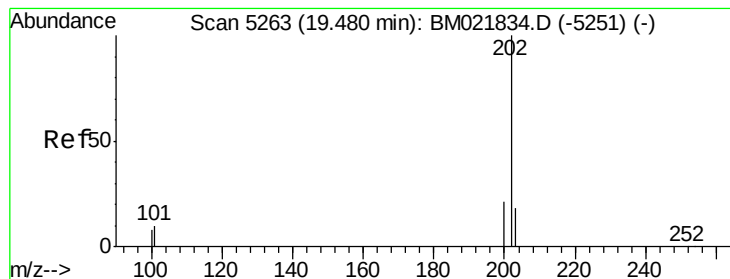
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#15
 Fluoranthene
 Concen: 21.810 ng/ul
 RT: 19.11 min Scan# 5165
 Delta R.T. -0.01 min
 Lab File: BM021842.D
 Acq: 05 Aug 2019 14:25

Tgt Ion	Ratio	Lower	Upper
202	100		
101	7.9	0.0	30.2
100	6.1	0.0	28.1





#17

Pyrene

Concen: 18.852 ng/ul

RT: 19.47 min Scan# 5261

Delta R.T. -0.01 min

Lab File: BM021842.D

Acq: 05 Aug 2019 14:25

Instrument :

BNA_M

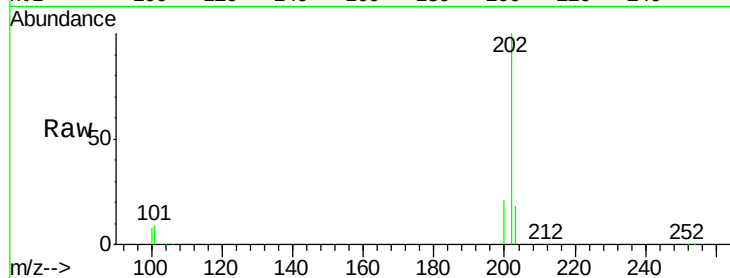
ClientSampleId :

BENSODL

Tgt Ion:	202	Resp:	396790
Ion Ratio	Lower	Upper	
202	100		
101	9.3	8.3	12.5
100	7.5	7.2	10.8

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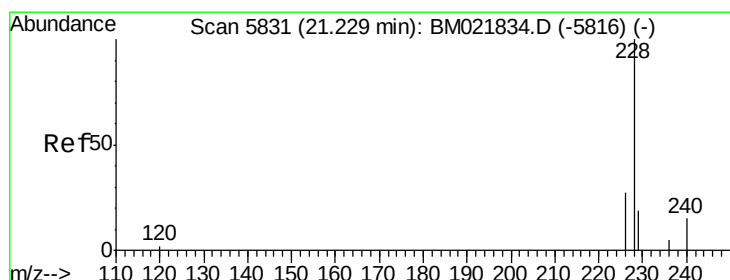
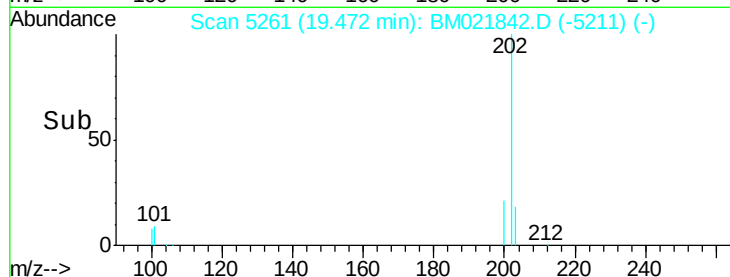
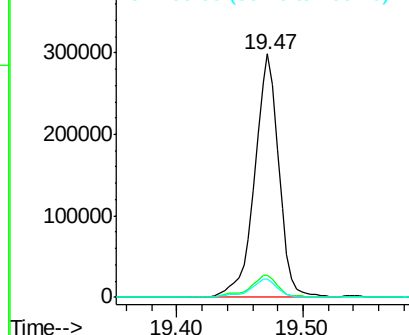
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#18

Benzo(a)anthracene

Concen: 16.454 ng/ul

RT: 21.22 min Scan# 5829

Delta R.T. -0.01 min

Lab File: BM021842.D

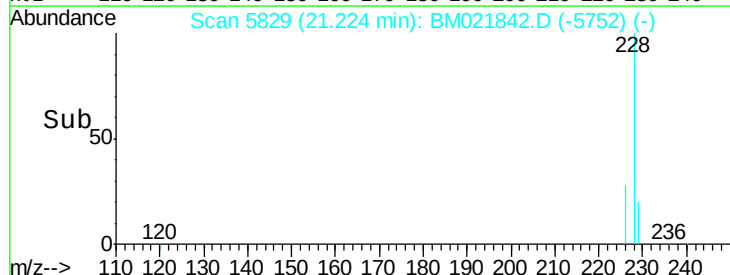
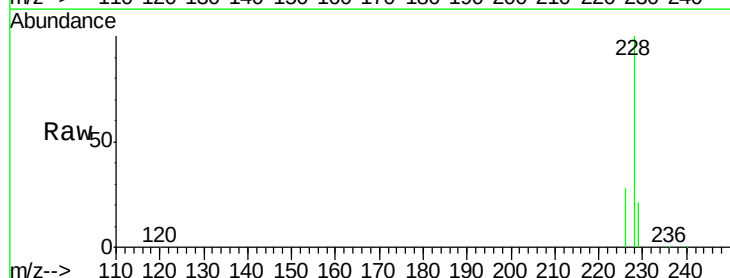
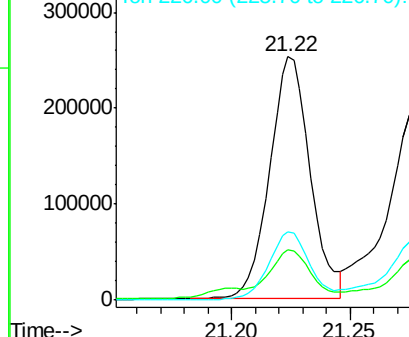
Acq: 05 Aug 2019 14:25

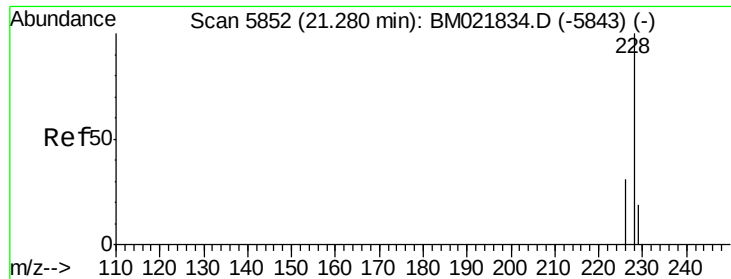
Tgt Ion:	228	Resp:	301456
Ion Ratio	Lower	Upper	
228	100		
229	20.5	17.2	25.8
226	28.1	22.6	34.0

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: 11.920 ng/ul

RT: 21.28 min Scan# 5851

Delta R.T. -0.01 min

Lab File: BM021842.D

Acq: 05 Aug 2019 14:25

Instrument :

BNA_M

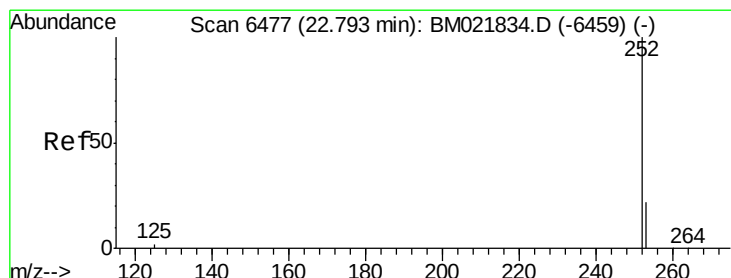
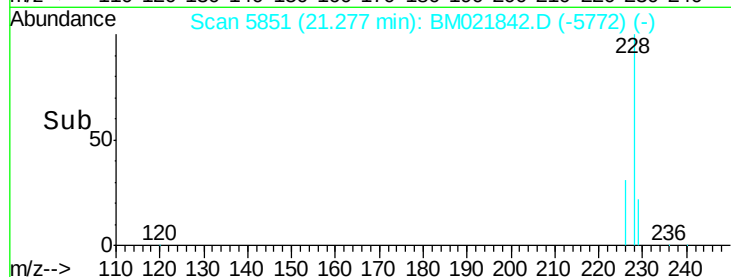
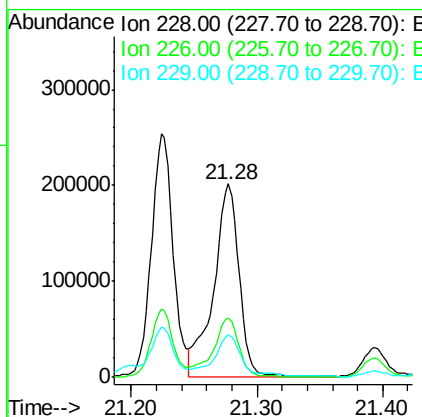
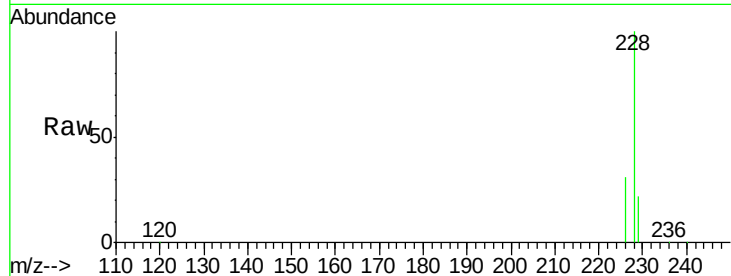
ClientSampleId :

BENS0DL

Tgt Ion:	228	Resp:	280858
Ion Ratio		Lower	Upper
228	100		
226	30.7	24.9	37.3
229	21.9	16.6	25.0

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#21

Benzo(b)fluoranthene

Concen: 14.182 ng/ul m

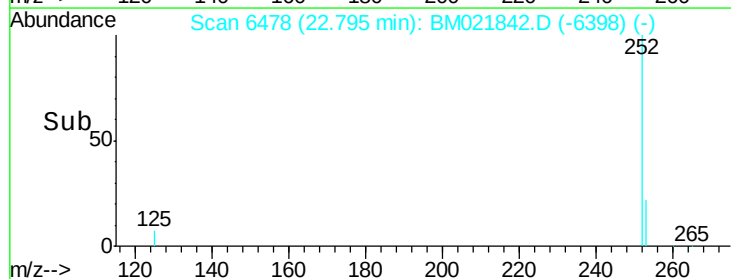
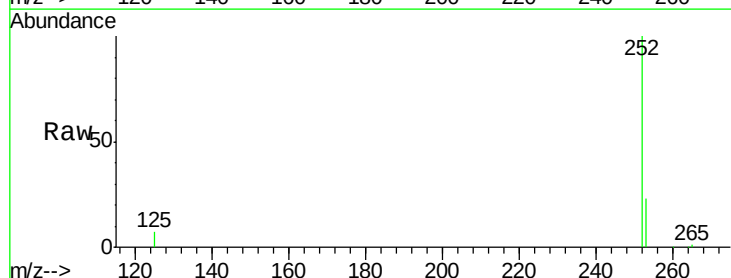
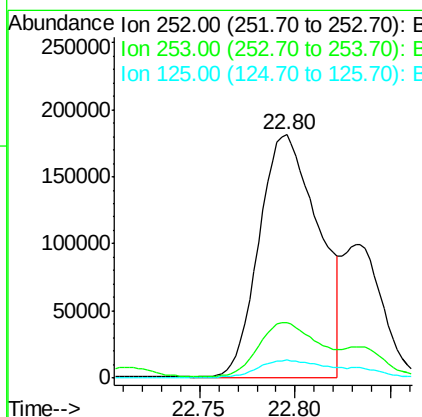
RT: 22.80 min Scan# 6478

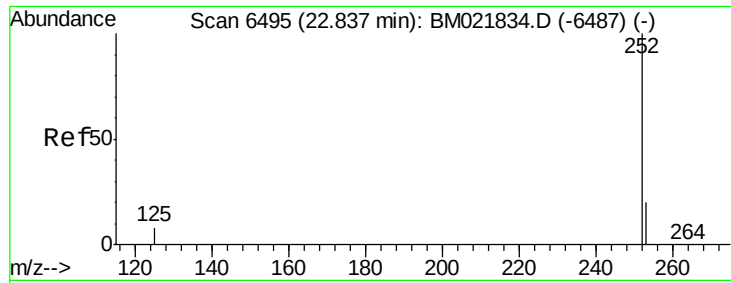
Delta R.T. -0.01 min

Lab File: BM021842.D

Acq: 05 Aug 2019 14:25

Tgt Ion:	252	Resp:	393980
Ion Ratio		Lower	Upper
252	100		
253	22.7	0.0	67.4
125	7.3	0.0	31.0





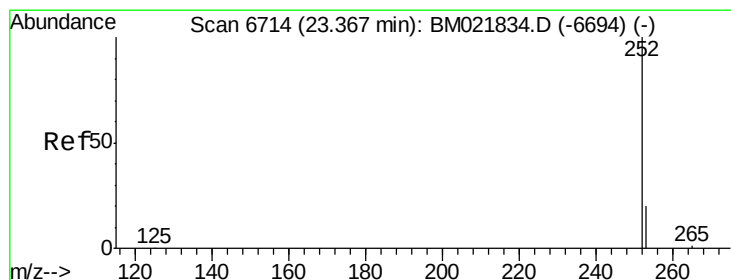
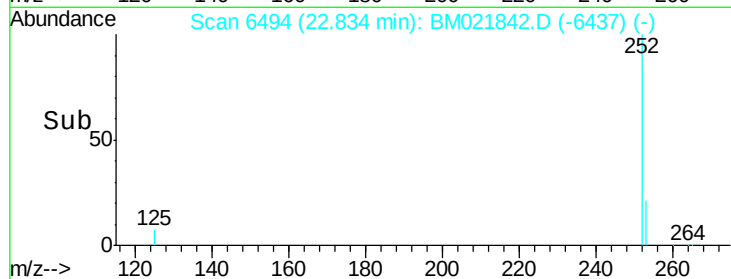
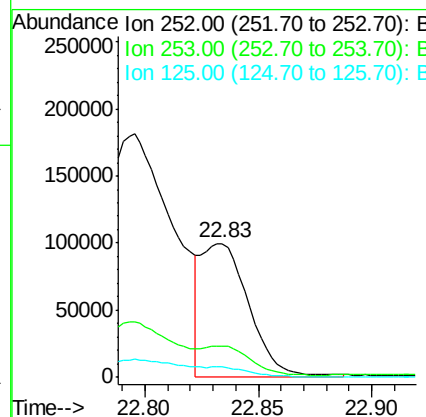
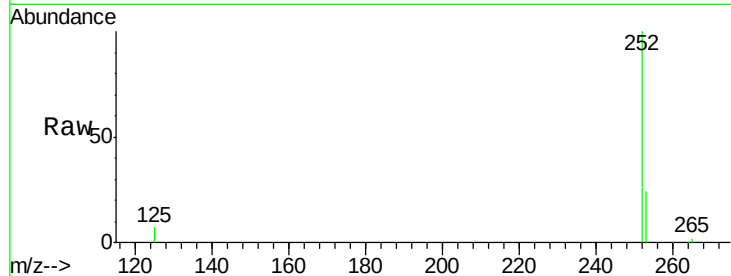
#22
Benzo(k)fluoranthene
Concen: 4.660 ng/ul m
RT: 22.83 min Scan# 6494
Delta R.T. -0.01 min
Lab File: BM021842.D
Acq: 05 Aug 2019 14:25

Instrument :
BNA_M
ClientSampleId :
BENSODL

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	23.7	27.0	40.4#
125	7.5	12.2	18.2#

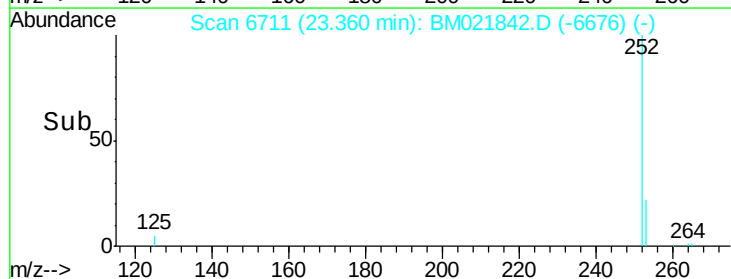
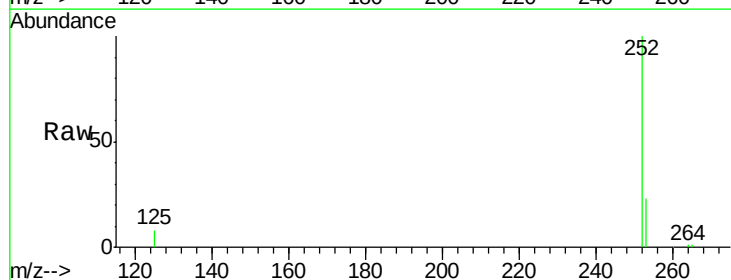
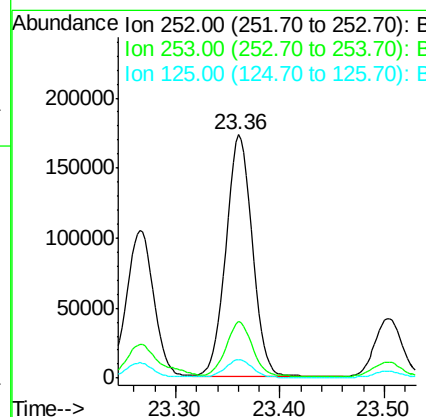
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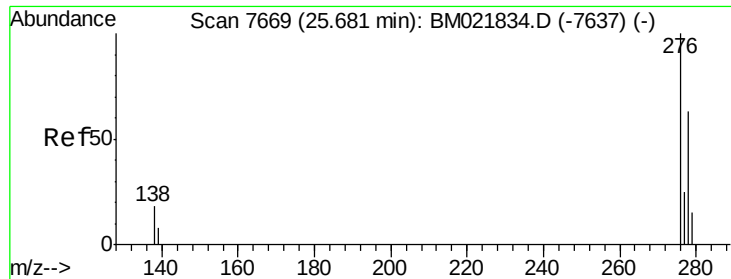
mohammad
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#23
Benzo(a)pyrene
Concen: 10.602 ng/ul
RT: 23.36 min Scan# 6711
Delta R.T. -0.01 min
Lab File: BM021842.D
Acq: 05 Aug 2019 14:25

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	23.1	31.7	47.5#
125	7.5	14.6	21.8#





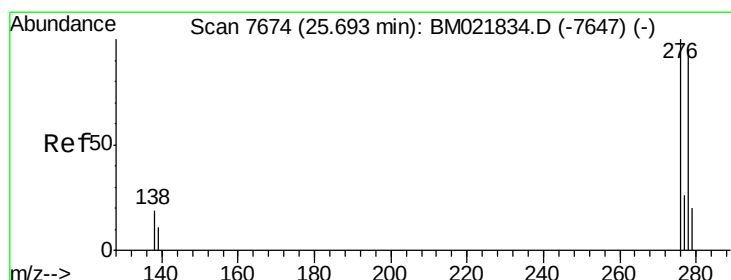
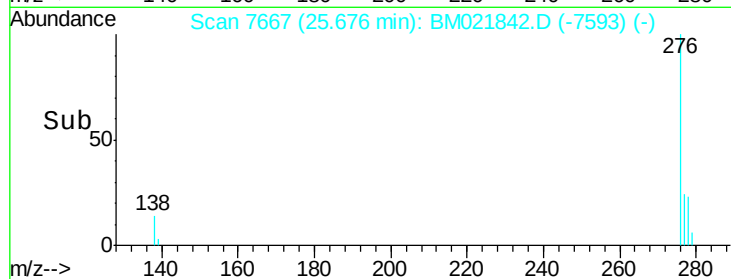
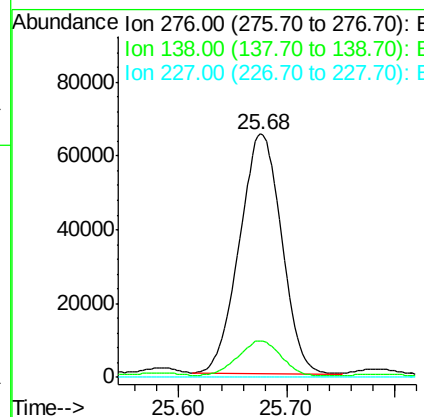
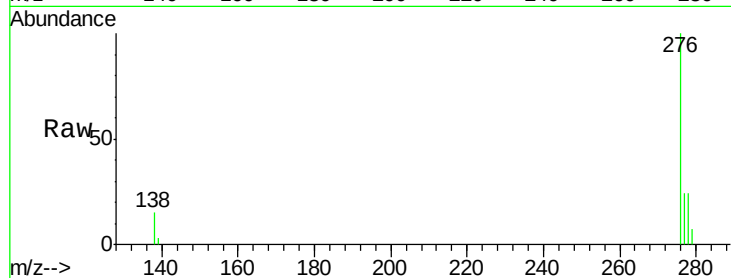
#24
Indeno(1,2,3-cd)pyrene
Concen: 5.203 ng/ul
RT: 25.68 min Scan# 7667
Delta R.T. -0.02 min
Lab File: BM021842.D
Acq: 05 Aug 2019 14:25

Instrument :
BNA_M
ClientSampleId :
BENS0DL

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	175519		
138	14.9	15.1	22.7#	
227	0.0	0.0	0.0	

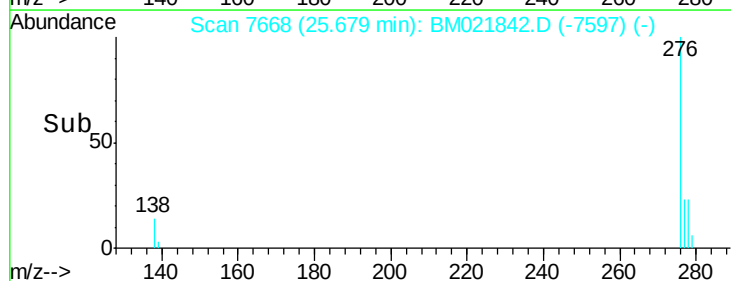
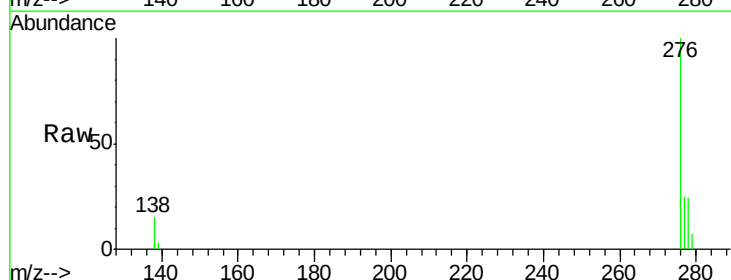
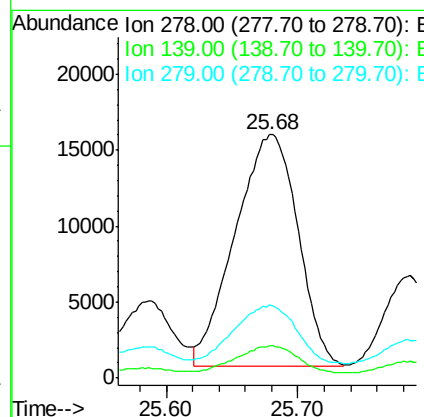
Manual Integrations
APPROVED

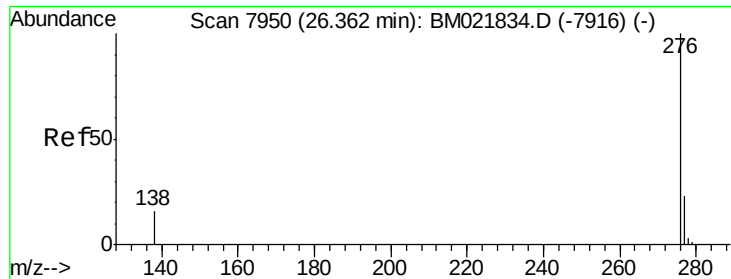
mohammad
8/5/2019 10:17:19 PM



#25
Dibenzo(a,h)anthracene
Concen: 1.844 ng/ul m
RT: 25.68 min Scan# 7668
Delta R.T. -0.03 min
Lab File: BM021842.D
Acq: 05 Aug 2019 14:25

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	50282		
139	13.1	14.2	21.2#	
279	30.0	28.3	42.5	





#26

Benzo(g,h,i)perylene

Concen: 5.558 ng/ul

RT: 26.35 min Scan# 7947

Delta R.T. -0.02 min

Lab File: BM021842.D

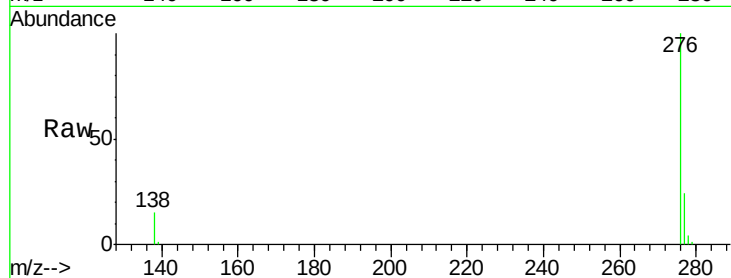
Acq: 05 Aug 2019 14:25

Instrument :

BNA_M

ClientSampleId :

BENS0DL



Tgt	Ion	Ratio	Lower	Upper
276	100			
138	15.2	15.5	23.3#	
277	24.4	21.4	32.2	

Manual Integrations
APPROVED

mohammad
8/5/2019 10:17:19 PM

