

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM080319\
 Data File : BM021818.D
 Acq On : 04 Aug 2019 18:26
 Operator : HP/JU
 Sample : K3850-18DL 10X
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BENS4DL

Manual Integrations
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 8/5/2019 10:15:58 PM

Quant Time: Aug 05 07:50:40 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 06:57:04 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.64	152	792	0.40	ng/ul	0.00
2) Naphthalene-d8	10.43	136	3219	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.29	164	1767	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.05	188	3983m	0.40	ng/ul	-0.01
16) Chrysene-d12	21.24	240	4219m	0.40	ng/ul	0.00
20) Perylene-d12	23.46	264	5969	0.40	ng/ul	0.00

System Monitoring Compounds

4) 2-Methylnaphthalene-d10	12.05	152	81	0.02	ng/ul	0.02
14) Fluoranthene-d10	19.08	212	306m	0.02	ng/ul	-0.01

Target Compounds

					Qvalue
5) 2-Methylnaphthalene	12.13	142	202	0.033	ng/ul 99
7) Acenaphthylene	14.01	152	1314	0.159	ng/ul# 90
8) Acenaphthene	14.36	153	143	0.021	ng/ul# 86
9) Fluorene	15.35	166	359	0.048	ng/ul# 94
12) Phenanthrene	17.09	178	8412	0.726	ng/ul 99
13) Anthracene	17.19	178	1753m	0.177	ng/ul
15) Fluoranthene	19.11	202	18730m	1.206	ng/ul
17) Pyrene	19.47	202	14751	0.851	ng/ul 99
18) Benzo(a)anthracene	21.22	228	9782	0.648	ng/ul 95
19) Chrysene	21.28	228	7851m	0.405	ng/ul
21) Benzo(b)fluoranthene	22.79	252	12523m	0.622	ng/ul
22) Benzo(k)fluoranthene	22.83	252	4763m	0.209	ng/ul
23) Benzo(a)pyrene	23.36	252	7816	0.382	ng/ul 93
24) Indeno(1,2,3-cd)pyrene	25.67	276	6293	0.257	ng/ul# 91
25) Dibenzo(a,h)anthracene	25.68	278	1548	0.078	ng/ul# 52
26) Benzo(g,h,i)perylene	26.36	276	6445	0.293	ng/ul 99

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

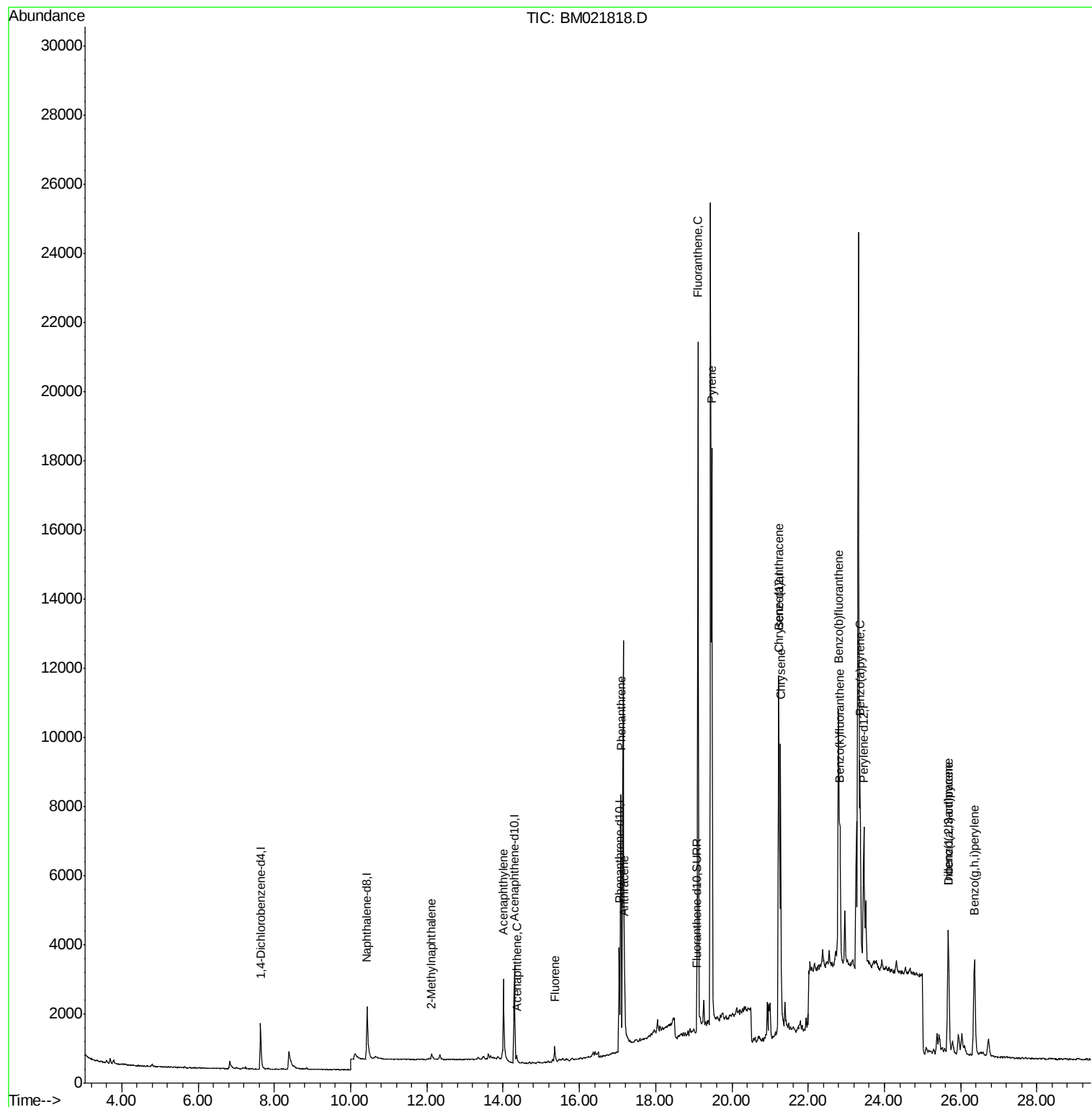
Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM080319\
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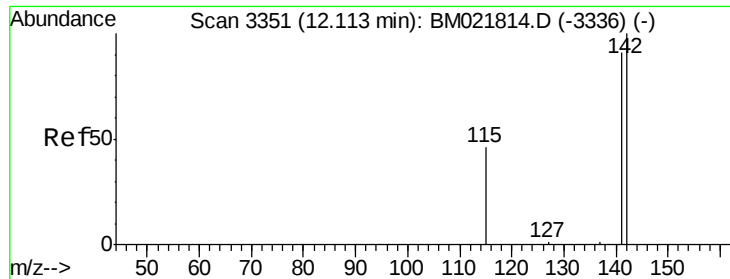
Instrument :
BNA_M
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BENS4DL

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Quant Time: Aug 05 07:50:40 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 06:57:04 2019
Response via : Initial Calibration





#5

2-Methylnaphthalene

Concen: 0.033 ng/ul

RT: 12.13 min Scan# 3354

Delta R.T. 0.01 min

Lab File: BM021818.D

Acq: 04 Aug 2019 18:26

Instrument :

BNA_M

ClientSampleId :

BENS4DL

Tgt Ion:142 Resp: 202

Ion Ratio Lower Upper

142 100

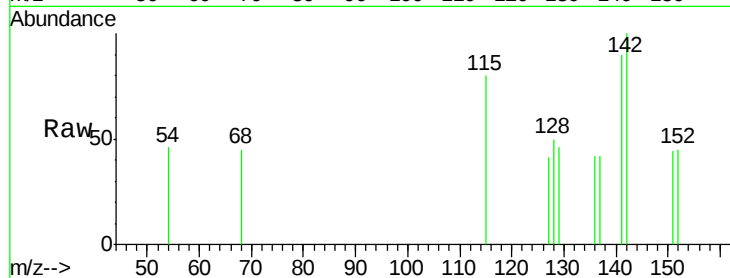
141 92.1 74.3 111.5

Manual Integrations

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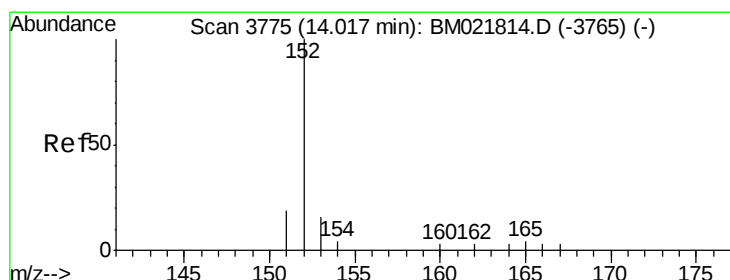
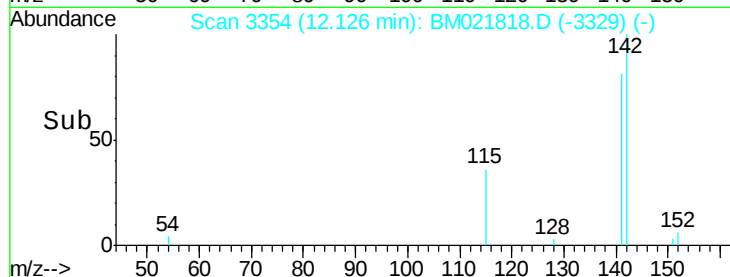
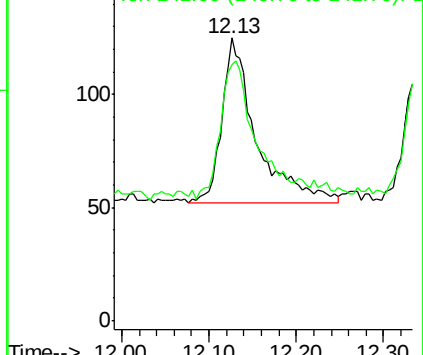
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Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



#7

Acenaphthylene

Concen: 0.159 ng/ul

RT: 14.01 min Scan# 3774

Delta R.T. -0.00 min

Lab File: BM021818.D

Acq: 04 Aug 2019 18:26

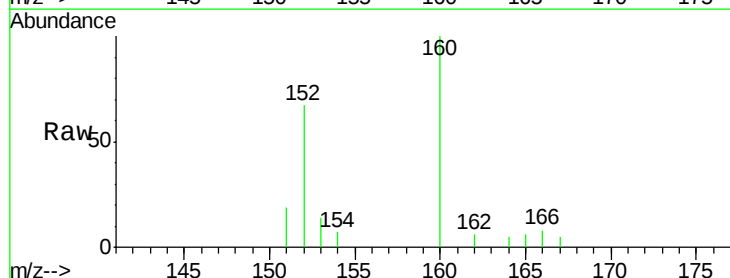
Tgt Ion:152 Resp: 1314

Ion Ratio Lower Upper

152 100

151 27.7 18.3 27.5#

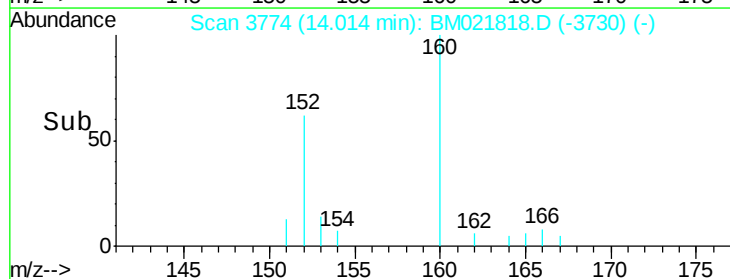
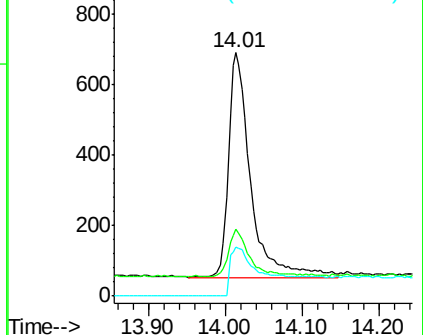
153 20.1 12.8 19.2#

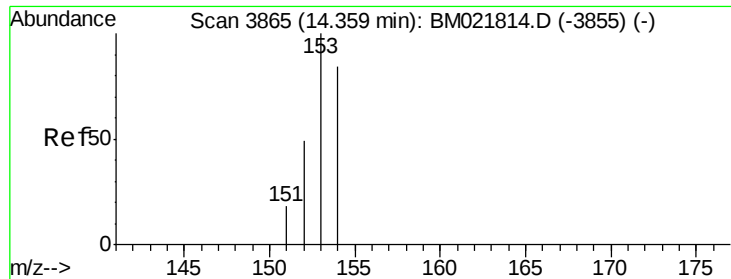


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#8

Acenaphthene

Concen: 0.021 ng/ul

RT: 14.36 min Scan# 3865

Delta R.T. 0.00 min

Lab File: BM021818.D

Acq: 04 Aug 2019 18:26

Instrument :

BNA_M

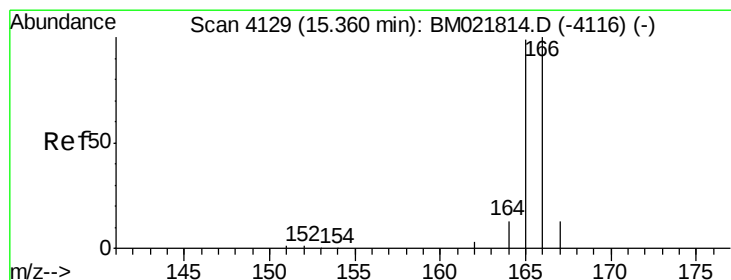
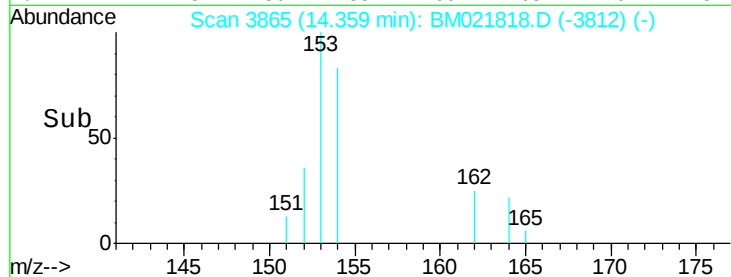
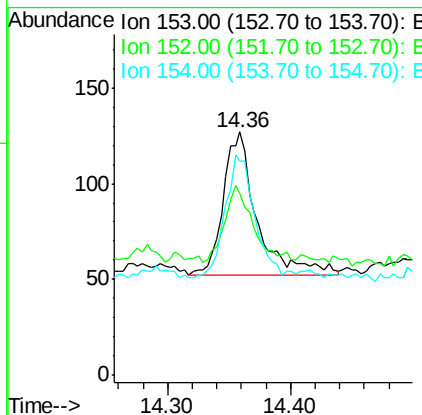
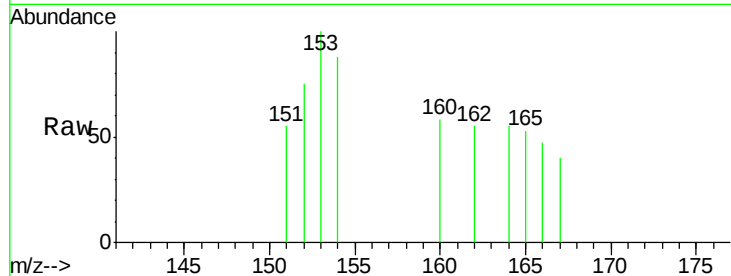
ClientSampleId :

BENS4DL

Tgt Ion:	153	Resp:	143
Ion Ratio	Lower	Upper	
153	100		
152	74.8	41.3	61.9#
154	88.2	72.3	108.5

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#9

Fluorene

Concen: 0.048 ng/ul

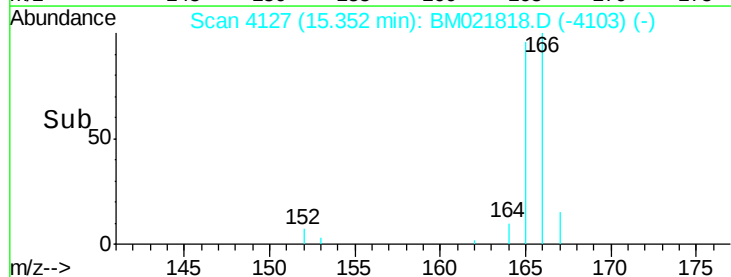
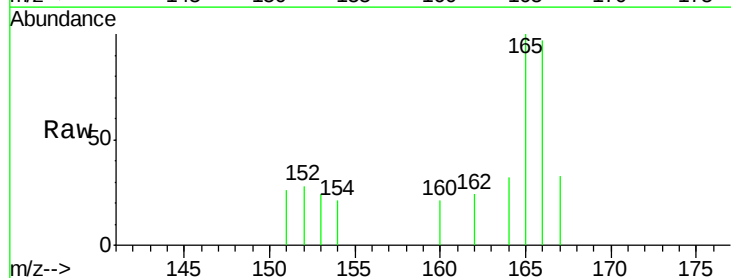
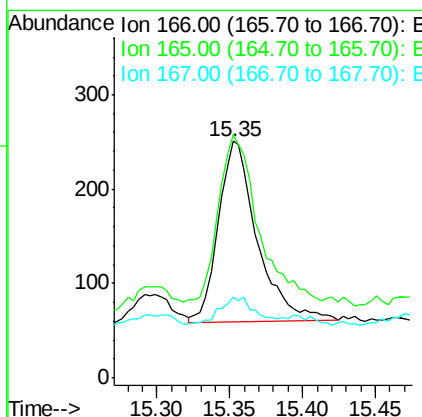
RT: 15.35 min Scan# 4127

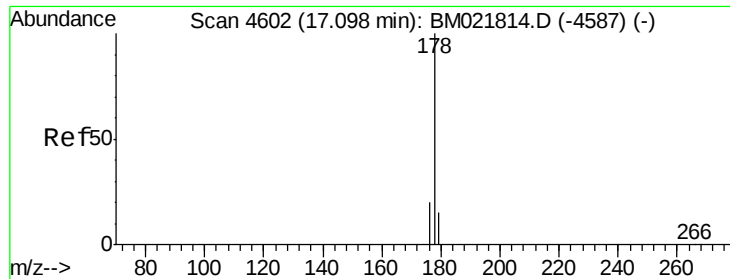
Delta R.T. -0.01 min

Lab File: BM021818.D

Acq: 04 Aug 2019 18:26

Tgt Ion:	166	Resp:	359
Ion Ratio	Lower	Upper	
166	100		
165	102.8	81.4	122.0
167	33.9	13.7	20.5#





#12

Phenanthrene

Concen: 0.726 ng/ul

RT: 17.09 min Scan# 4599

Delta R.T. -0.01 min

Lab File: BM021818.D

Acq: 04 Aug 2019 18:26

Instrument :

BNA_M

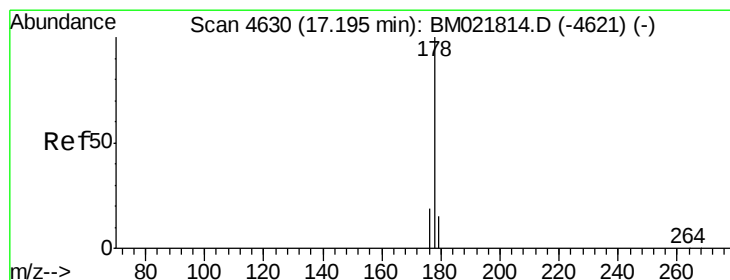
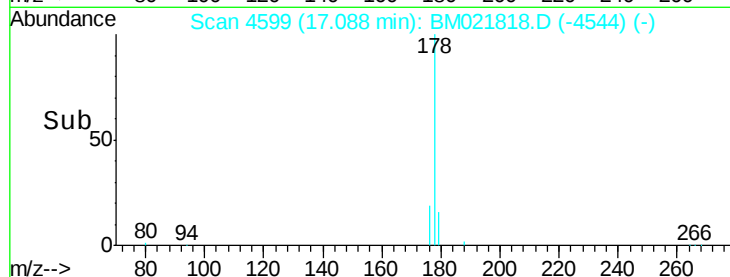
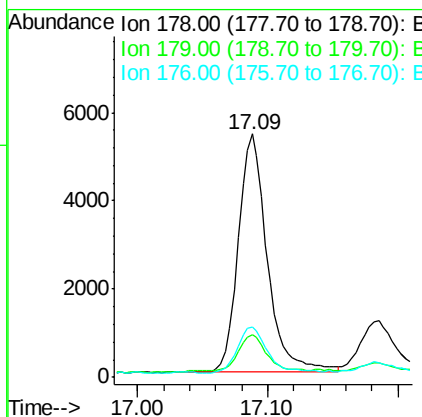
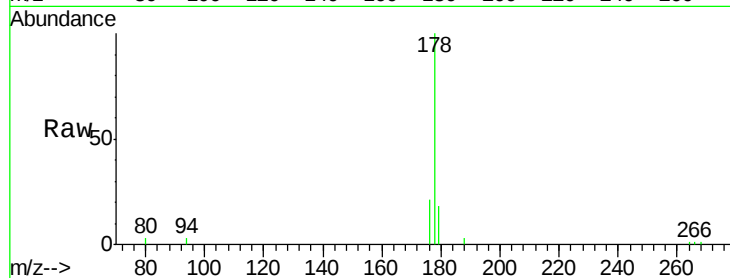
ClientSampleId :

BENS4DL

Tgt Ion:	178	Resp:	8412
Ion Ratio	Lower	Upper	
178	100		
179	17.6	14.2	21.2
176	20.6	16.8	25.2

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#13

Anthracene

Concen: 0.177 ng/ul m

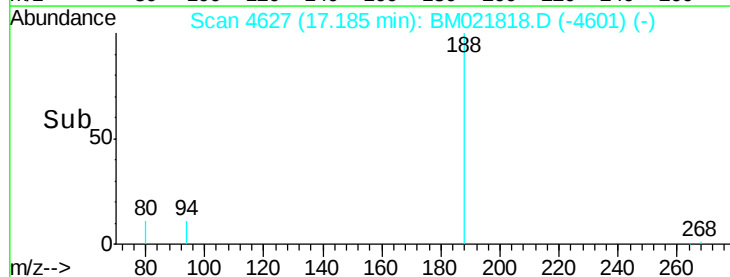
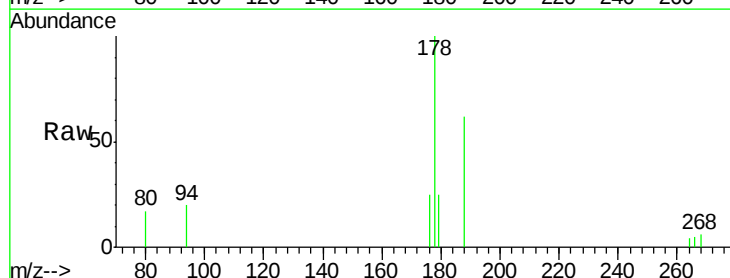
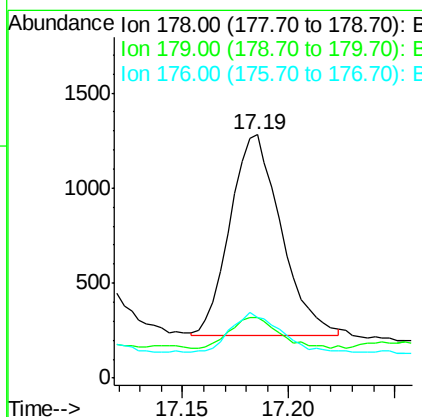
RT: 17.19 min Scan# 4627

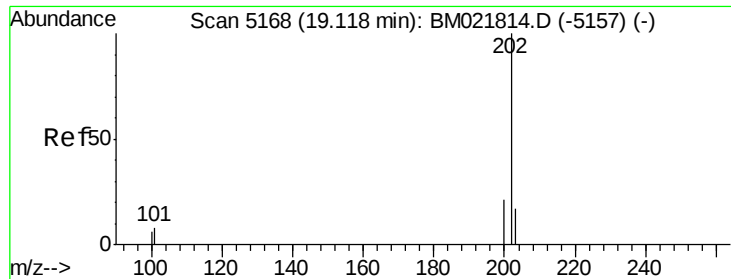
Delta R.T. -0.01 min

Lab File: BM021818.D

Acq: 04 Aug 2019 18:26

Tgt Ion:	178	Resp:	1753
Ion Ratio	Lower	Upper	
178	100		
179	24.9	15.5	23.3#
176	25.1	16.6	25.0#





#15

Fluoranthene

Concen: 1.206 ng/ul m

RT: 19.11 min Scan# 5165

Delta R.T. -0.01 min

Lab File: BM021818.D

Acq: 04 Aug 2019 18:26

Instrument :

BNA_M

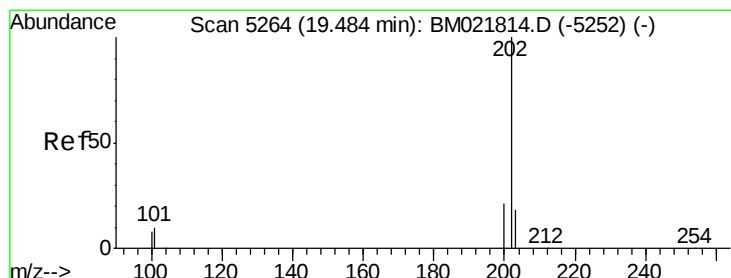
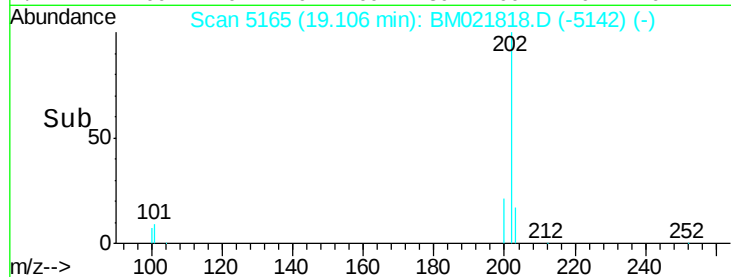
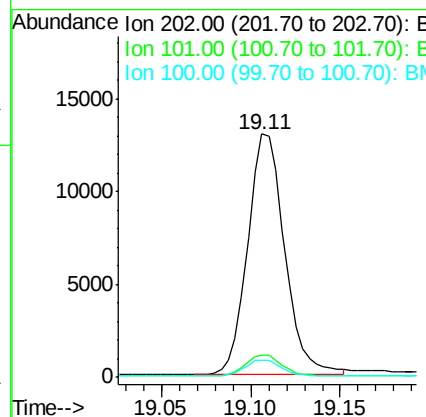
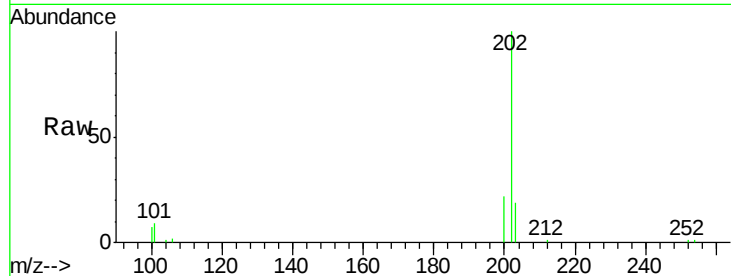
ClientSampleId :

BENS4DL

Tgt Ion:	202	Resp:	18730
Ion Ratio	Lower	Upper	
202	100		
101	9.3	0.0	30.2
100	7.2	0.0	28.1

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#17

Pyrene

Concen: 0.851 ng/ul

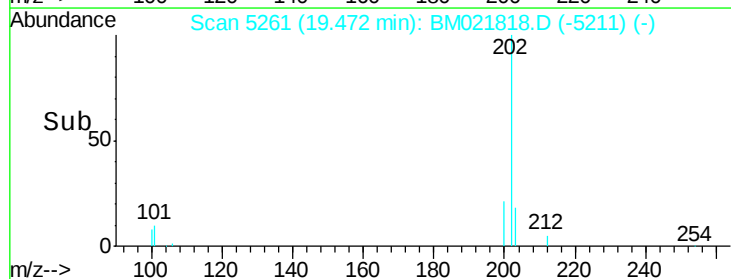
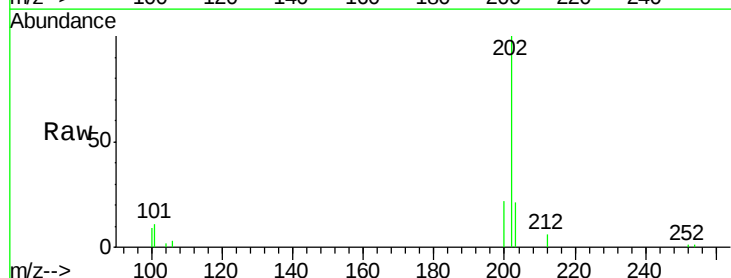
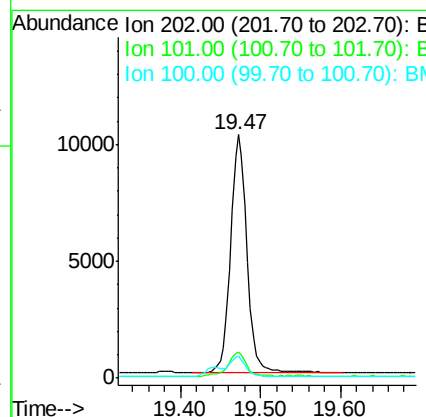
RT: 19.47 min Scan# 5261

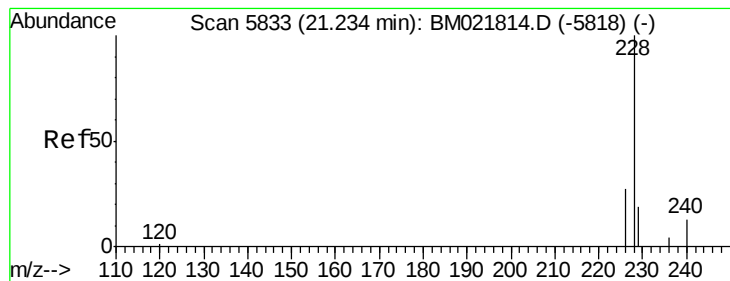
Delta R.T. -0.01 min

Lab File: BM021818.D

Acq: 04 Aug 2019 18:26

Tgt Ion:	202	Resp:	14751
Ion Ratio	Lower	Upper	
202	100		
101	10.8	8.3	12.5
100	8.9	7.2	10.8





#18

Benzo(a)anthracene

Concen: 0.648 ng/ul

RT: 21.22 min Scan# 5829

Delta R.T. -0.01 min

Lab File: BM021818.D

Acq: 04 Aug 2019 18:26

Instrument :

BNA_M

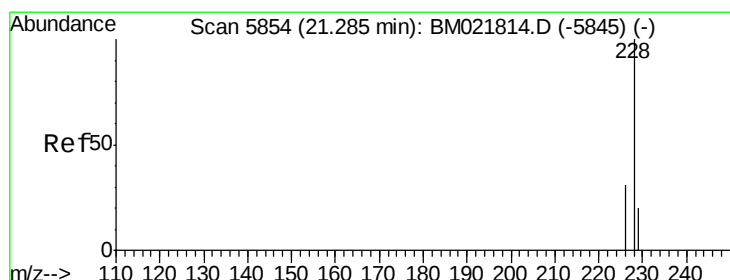
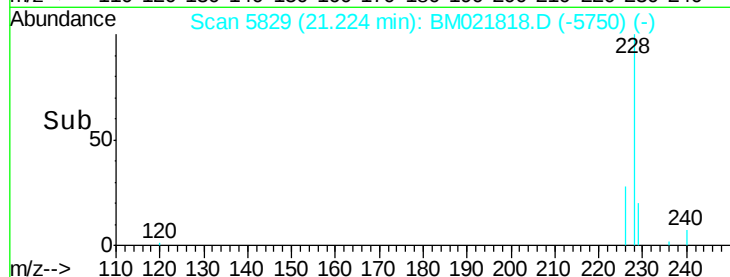
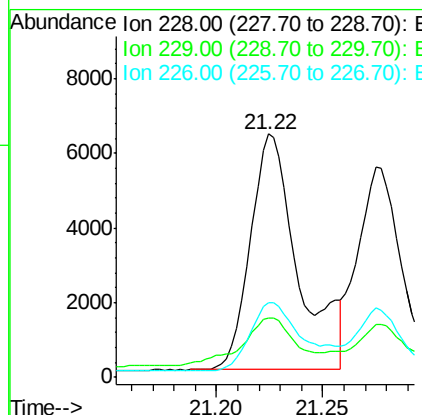
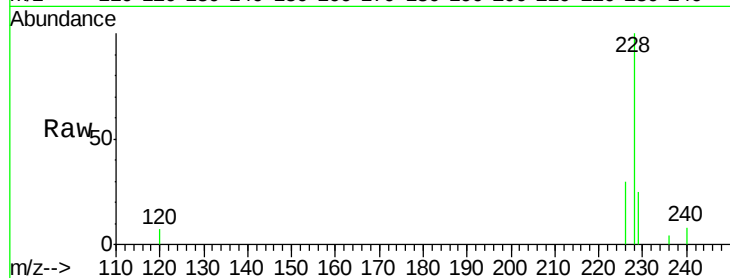
ClientSampleId :

BENS4DL

Tgt Ion:	228	Resp:	9782
Ion Ratio	Lower	Upper	
228	100		
229	24.6	17.2	25.8
226	30.4	22.6	34.0

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#19

Chrysene

Concen: 0.405 ng/ul m

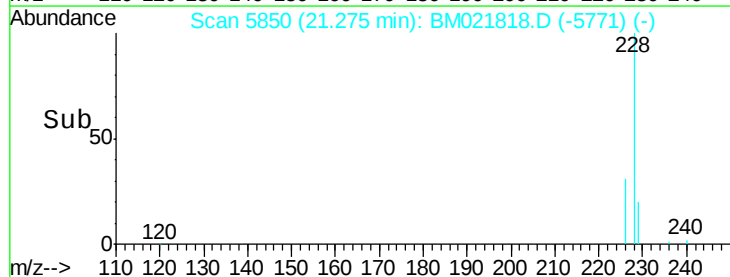
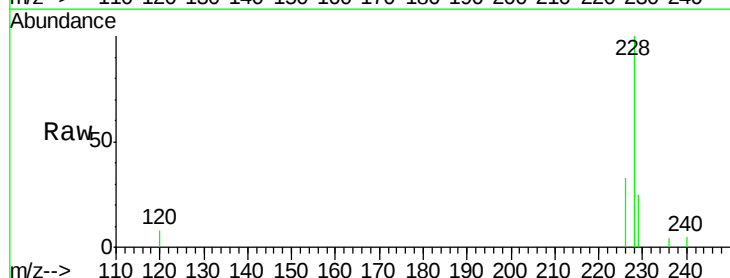
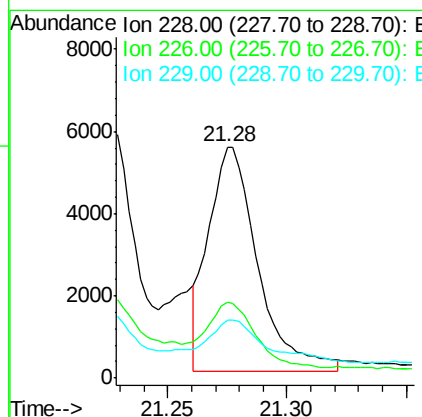
RT: 21.28 min Scan# 5850

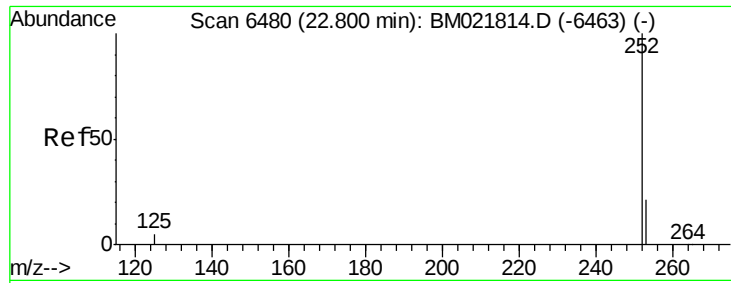
Delta R.T. -0.01 min

Lab File: BM021818.D

Acq: 04 Aug 2019 18:26

Tgt Ion:	228	Resp:	7851
Ion Ratio	Lower	Upper	
228	100		
226	33.0	24.9	37.3
229	25.1	16.6	25.0#





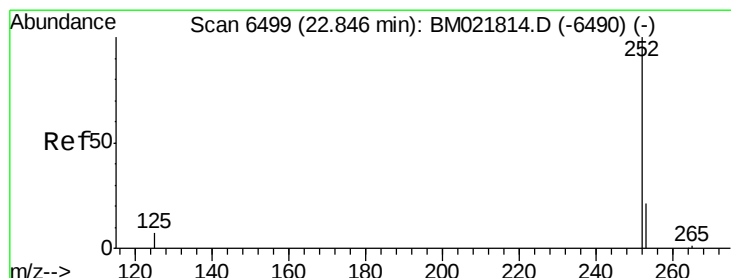
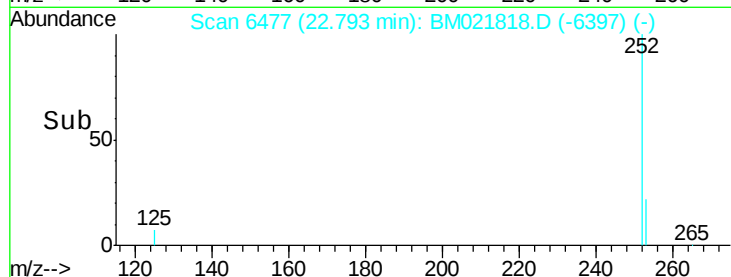
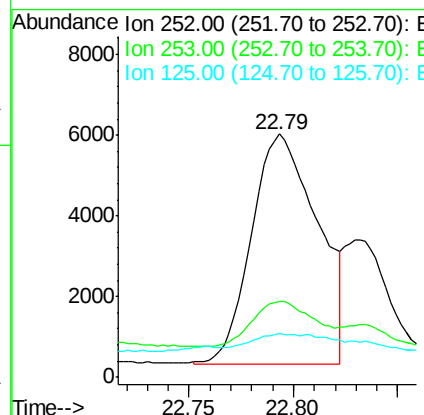
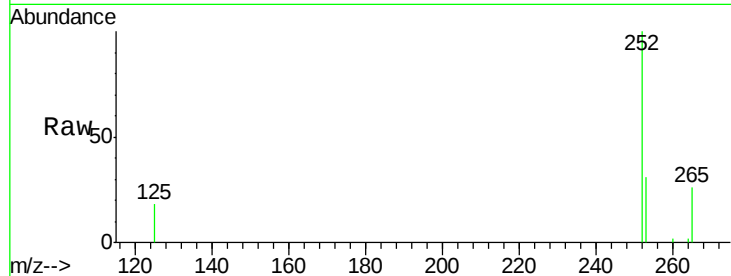
#21
Benzo(b)fluoranthene
Concen: 0.622 ng/ul m
RT: 22.79 min Scan# 6477
Delta R.T. -0.01 min
Lab File: BM021818.D
Acq: 04 Aug 2019 18:26

Instrument :
BNA_M
ClientSampleId :
BENS4DL

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	31.3	0.0	67.4
125	18.2	0.0	31.0

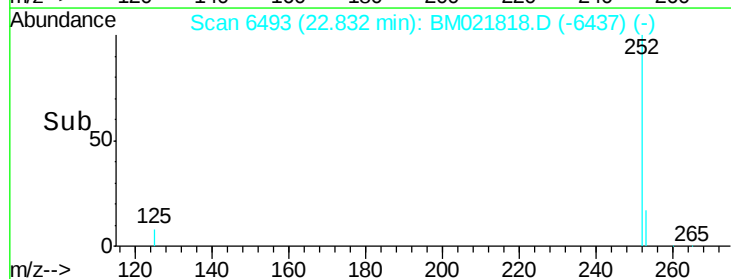
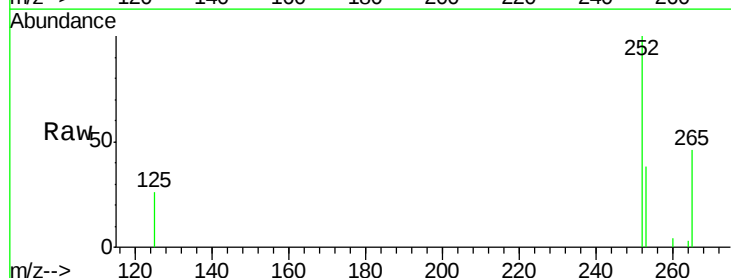
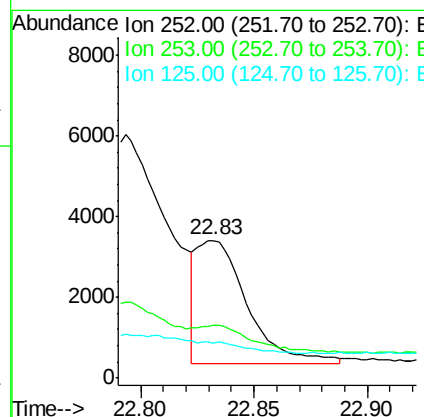
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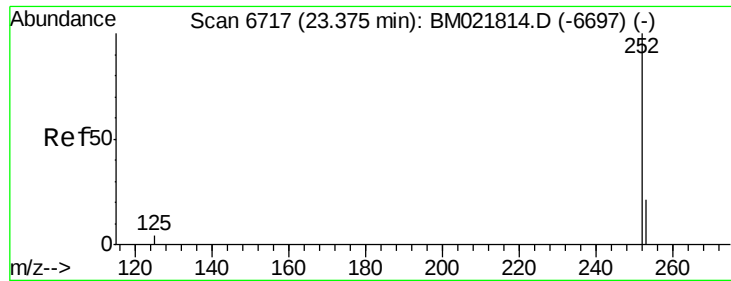
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#22
Benzo(k)fluoranthene
Concen: 0.209 ng/ul m
RT: 22.83 min Scan# 6493
Delta R.T. -0.01 min
Lab File: BM021818.D
Acq: 04 Aug 2019 18:26

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	38.1	27.0	40.4
125	25.7	12.2	18.2





#23

Benzo(a)pyrene

Concen: 0.382 ng/u1

RT: 23.36 min Scan# 6710

Delta R.T. -0.02 min

Lab File: BM021818.D

Acq: 04 Aug 2019 18:26

Instrument :

BNA_M

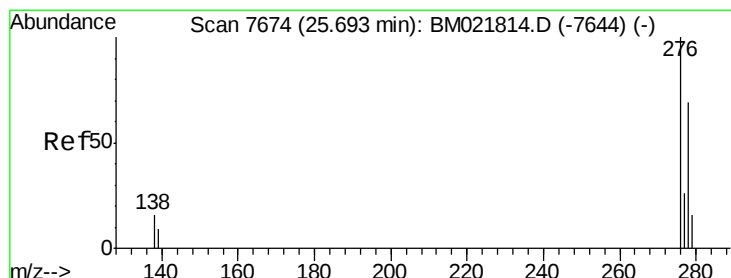
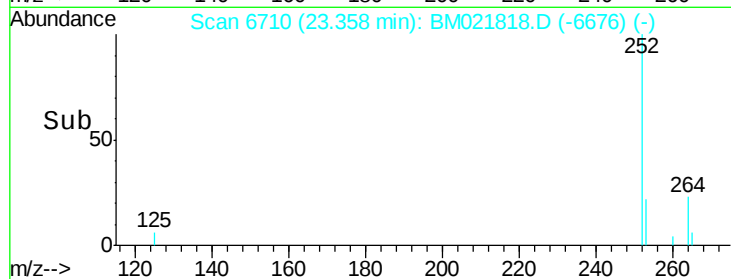
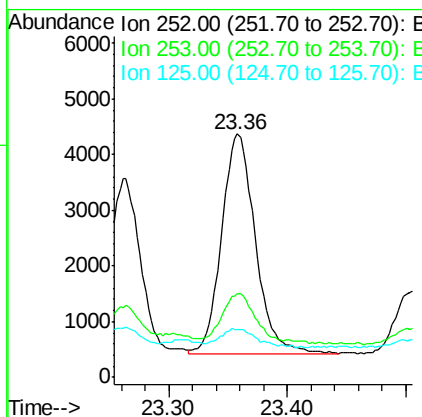
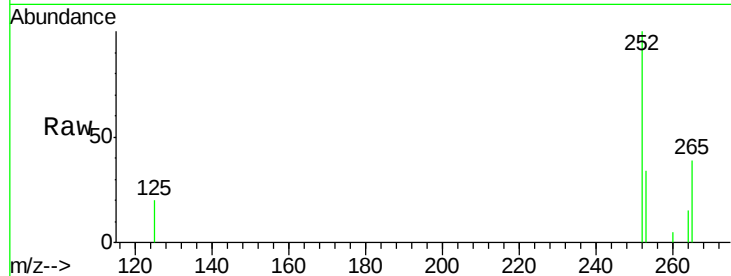
ClientSampled :

BENS4DL

Tgt Ion:	252	Resp:	7816
Ion Ratio	Lower	Upper	
252	100		
253	34.1	31.7	47.5
125	19.8	14.6	21.8

Manual Integrations
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#24

Indeno(1,2,3-cd)pyrene

Concen: 0.257 ng/u1

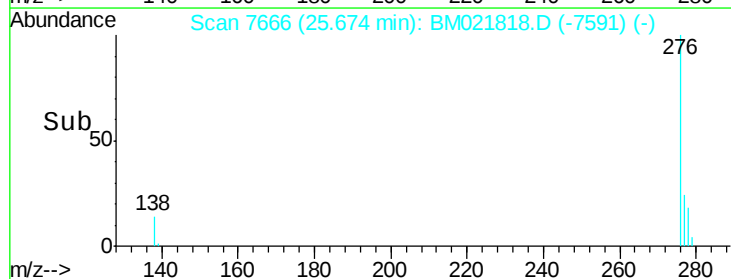
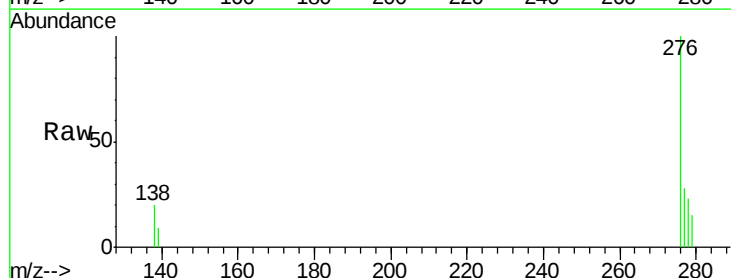
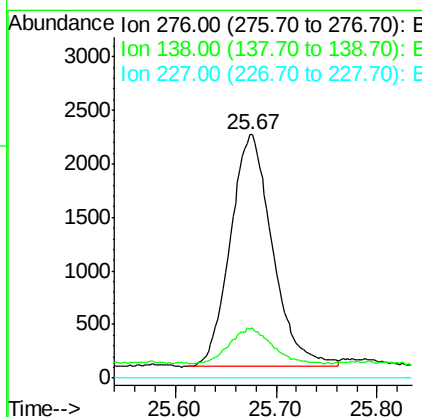
RT: 25.67 min Scan# 7666

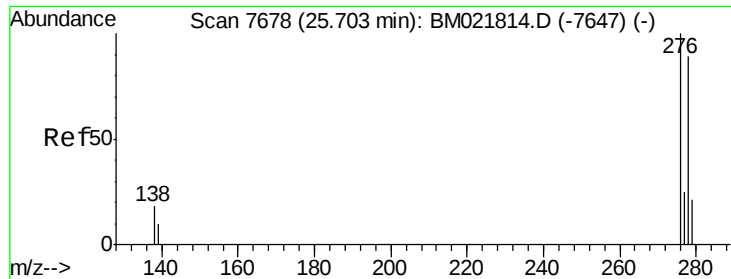
Delta R.T. -0.02 min

Lab File: BM021818.D

Acq: 04 Aug 2019 18:26

Tgt Ion:	276	Resp:	6293
Ion Ratio	Lower	Upper	
276	100		
138	14.9	15.1	22.7#
227	0.0	0.0	0.0





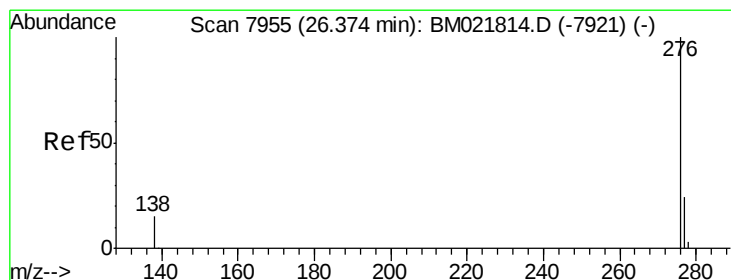
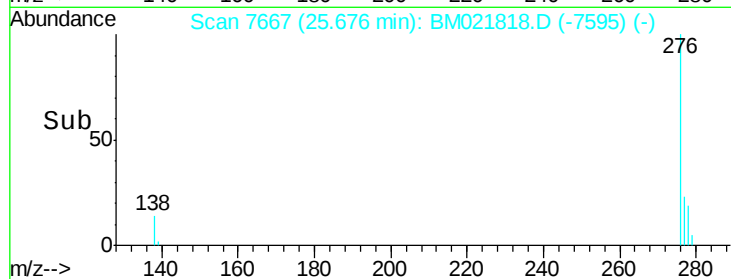
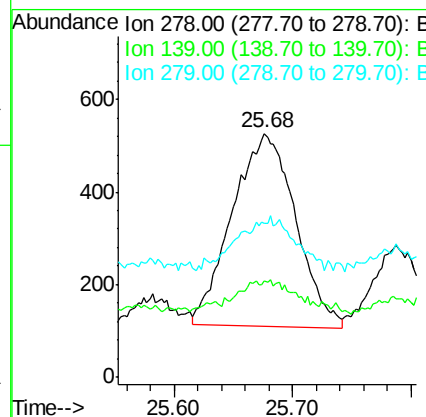
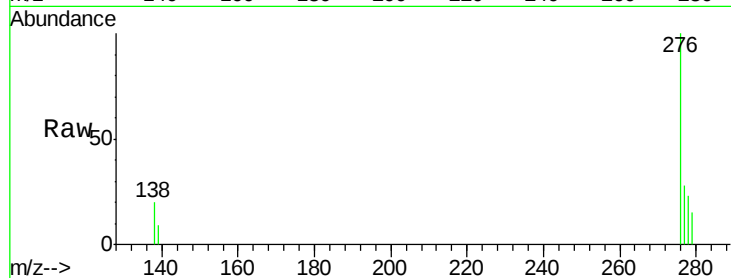
#25
Dibenzo(a,h)anthracene
Concen: 0.078 ng/u1
RT: 25.68 min Scan# 7667
Delta R.T. -0.03 min
Lab File: BM021818.D
Acq: 04 Aug 2019 18:26

Instrument :
BNA_M
ClientSampleId :
BENS4DL

Tgt Ion	Ratio	Lower	Upper
278	100		
139	39.4	14.2	21.2#
279	63.1	28.3	42.5#

Manual Integrations
APPROVED

mohammad
8/5/2019 10:15:58 PM



#26
Benzo(g,h,i)perylene
Concen: 0.293 ng/u1
RT: 26.36 min Scan# 7949
Delta R.T. -0.01 min
Lab File: BM021818.D
Acq: 04 Aug 2019 18:26

Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.9	15.5	23.3
277	27.6	21.4	32.2

