

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM080919\
 Data File : BM021976.D
 Acq On : 09 Aug 2019 19:13
 Operator : HP/JU
 Sample : K4116-16
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JLLE8

Manual Integrations
 APPROVED

Sohil

Quant Time: Aug 10 06:45:27 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 : Fri Aug 09 01:29:50 2019
 Response via : Initial Calibration

8/13/2019 8:49:03 AM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	852	0.40	ng/ul	-0.01
2) Naphthalene-d8	10.39	136	3630	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.27	164	1966	0.40	ng/ul	-0.01
10) Phenanthrene-d10	17.02	188	4439m	0.40	ng/ul	-0.02
16) Chrysene-d12	21.23	240	4449m	0.40	ng/ul	-0.02
20) Perylene-d12	23.43	264	4396m	0.40	ng/ul	-0.02
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.01	152	1216	0.20	ng/ul	-0.01
14) Fluoranthene-d10	19.06	212	2941m	0.20	ng/ul	-0.02
Target Compounds						Qvalue
3) Naphthalene	10.44	128	741	0.072	ng/ul#	84
7) Acenaphthylene	13.99	152	408	0.044	ng/ul#	71
8) Acenaphthene	14.33	153	1149	0.153	ng/ul	98
9) Fluorene	15.33	166	741	0.089	ng/ul#	98
12) Phenanthrene	17.07	178	22779m	1.764	ng/ul	
13) Anthracene	17.16	178	6312m	0.573	ng/ul	
15) Fluoranthene	19.09	202	42786m	2.473	ng/ul	
17) Pyrene	19.46	202	45184	2.471	ng/ul	98
18) Benzo(a)anthracene	21.21	228	26263	1.650	ng/ul	100
19) Chrysene	21.26	228	25447	1.243	ng/ul	98
21) Benzo(b)fluoranthene	22.77	252	36755m	2.479	ng/ul	
22) Benzo(k)fluoranthene	22.81	252	12943m	0.772	ng/ul	
23) Benzo(a)pyrene	23.34	252	32895m	2.182	ng/ul	
24) Indeno(1,2,3-cd)pyrene	25.65	276	22855m	1.270	ng/ul	
25) Dibenzo(a,h)anthracene	25.65	278	4574m	0.314	ng/ul	
26) Benzo(g,h,i)perylene	26.33	276	24773m	1.529	ng/ul	

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

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ALS Vial : 13 Sample Multiplier: 1

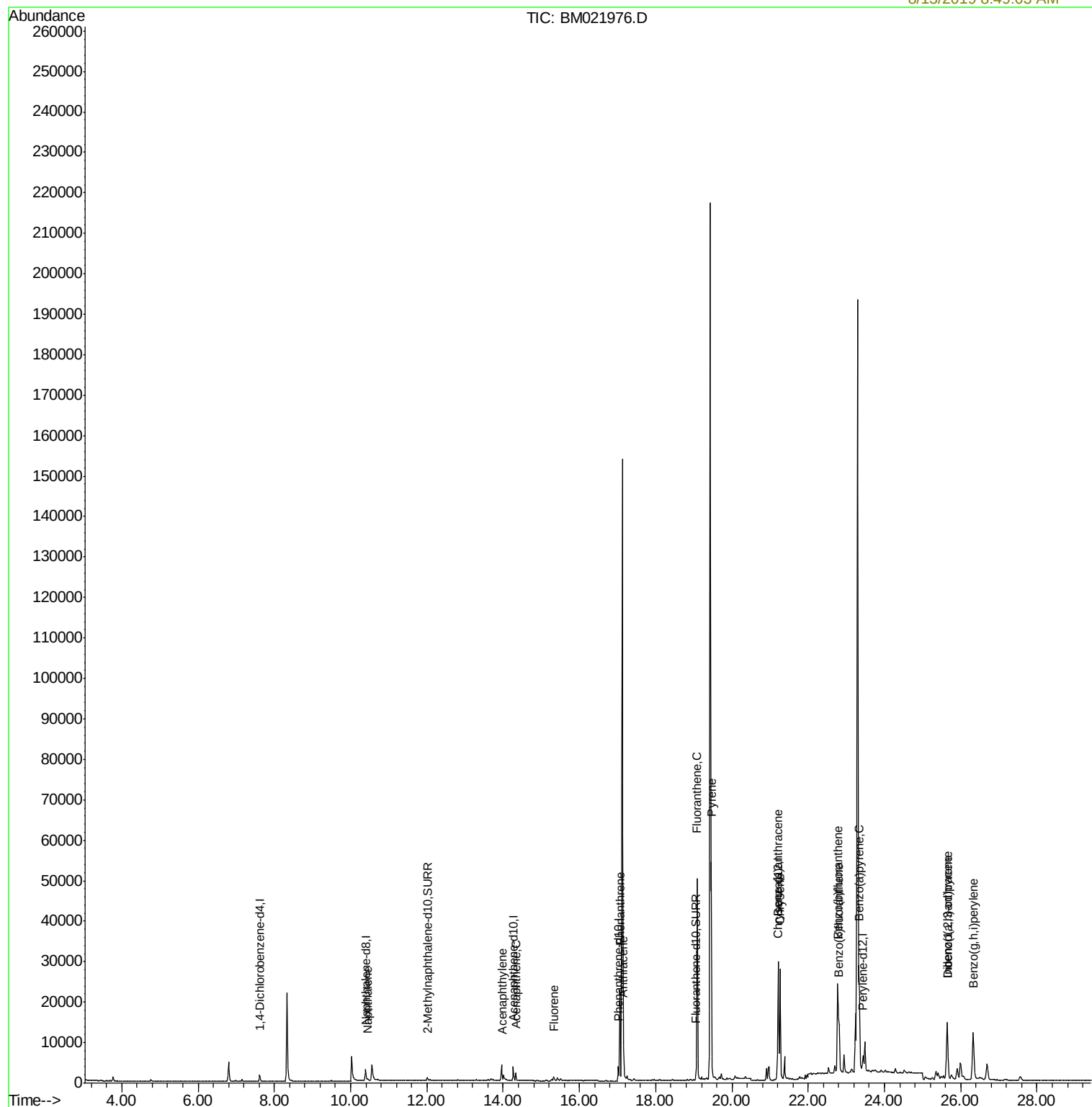
Instrument :
BNA_M
ClientSampleId :
JLLE8

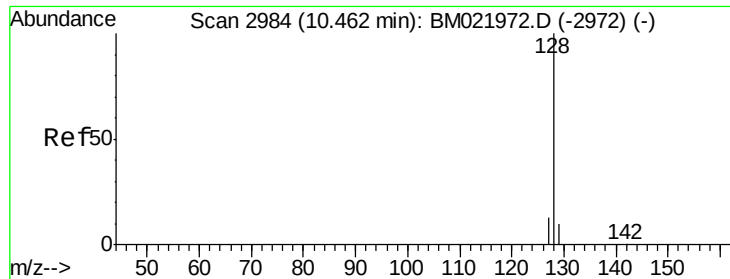
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
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#3

Naphthalene

Concen: 0.072 ng/ul

RT: 10.44 min Scan# 2980

Delta R.T. -0.02 min

Lab File: BM021976.D

Acq: 09 Aug 2019 19:13

Instrument :

BNA_M

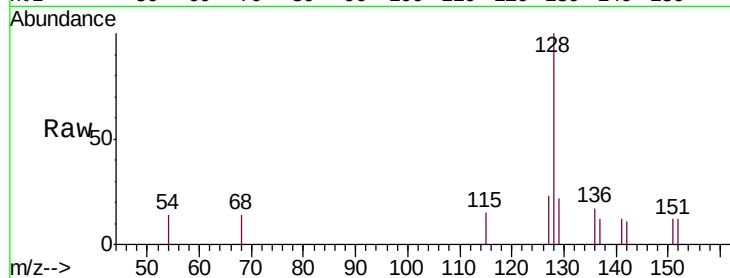
ClientSampleId :

JLLE8

Tgt Ion:	128	Resp:	741
Ion Ratio	Lower	Upper	
128	100		
129	22.2	12.3	18.5#
127	23.0	13.0	19.6#

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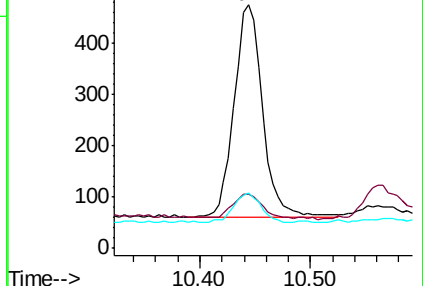
Sohil



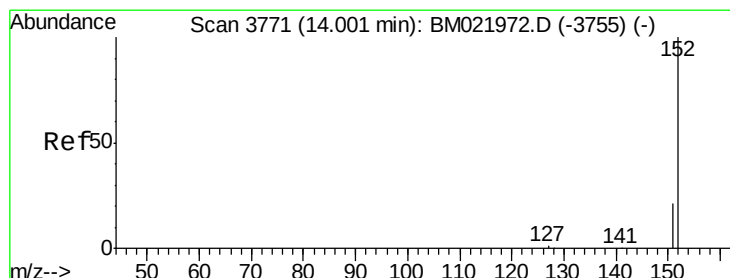
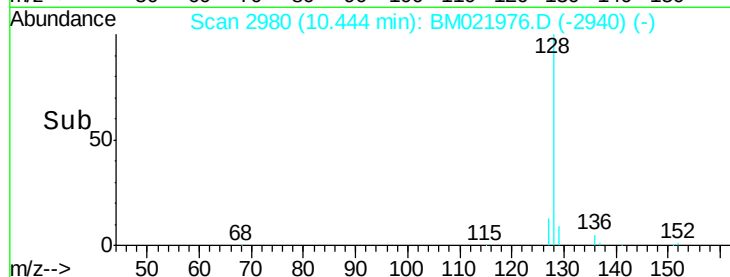
Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



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#7

Acenaphthylene

Concen: 0.044 ng/ul

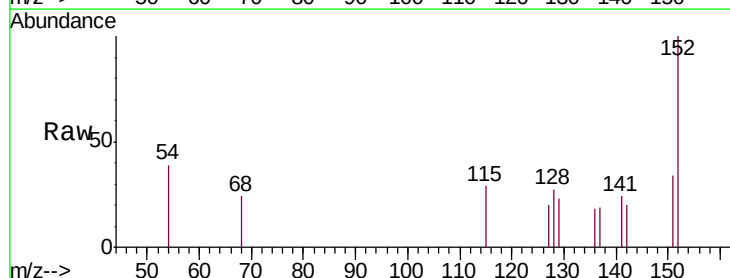
RT: 13.99 min Scan# 3769

Delta R.T. -0.02 min

Lab File: BM021976.D

Acq: 09 Aug 2019 19:13

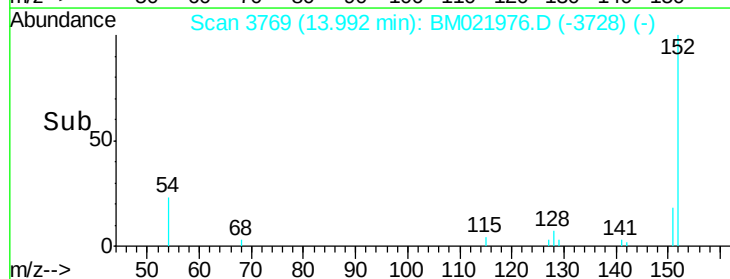
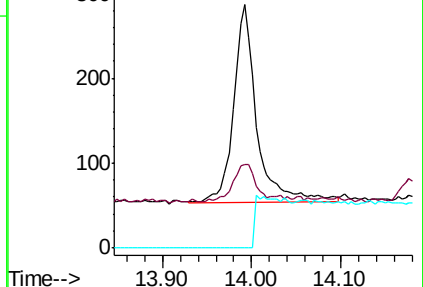
Tgt Ion:	152	Resp:	408
Ion Ratio	Lower	Upper	
152	100		
151	34.1	18.3	27.5#
153	0.0	12.8	19.2#

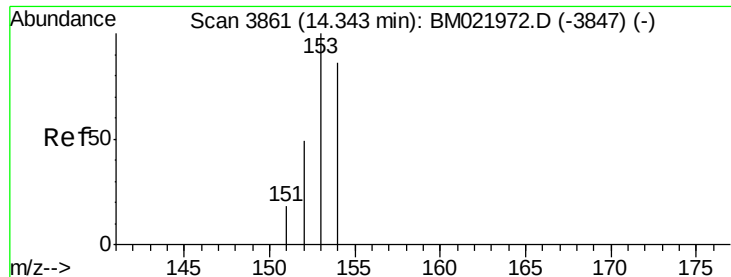


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#8

Acenaphthene

Concen: 0.153 ng/ul

RT: 14.33 min Scan# 3858

Delta R.T. -0.01 min

Lab File: BM021976.D

Acq: 09 Aug 2019 19:13

Instrument :

BNA_M

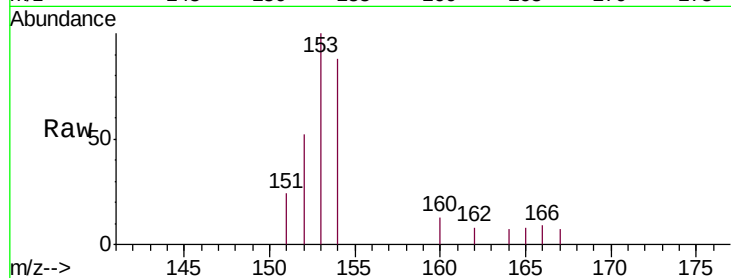
ClientSampleId :

JLLE8

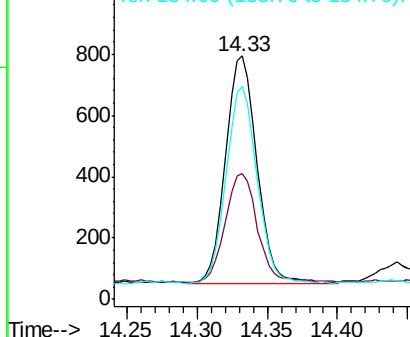
Tgt Ion:	153	Resp:	1149
Ion	Ratio	Lower	Upper
153	100		
152	51.6	41.3	61.9
154	87.5	72.3	108.5

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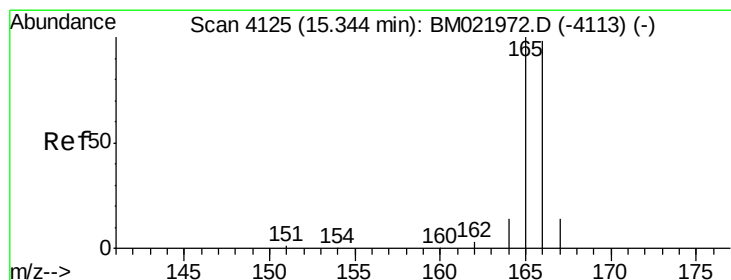
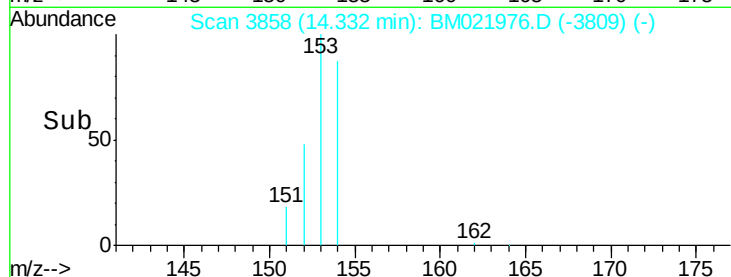
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Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E



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#9

Fluorene

Concen: 0.089 ng/ul

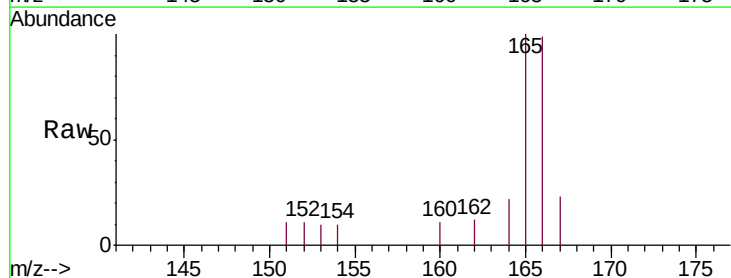
RT: 15.33 min Scan# 4120

Delta R.T. -0.02 min

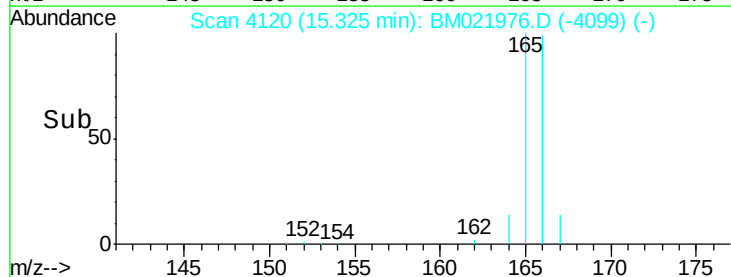
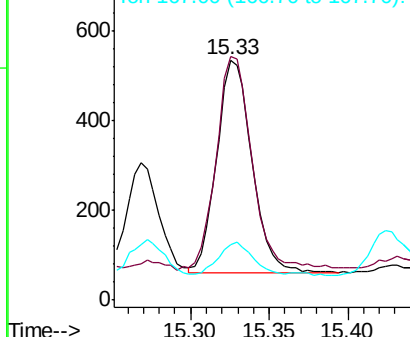
Lab File: BM021976.D

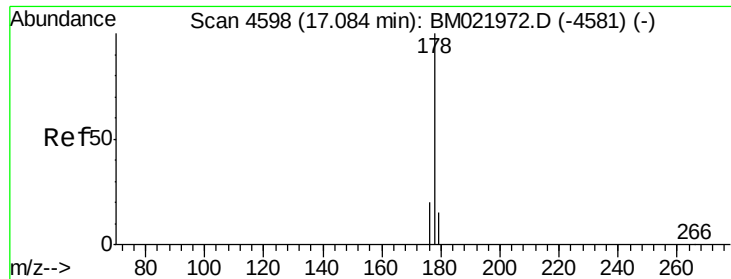
Acq: 09 Aug 2019 19:13

Tgt Ion:	166	Resp:	741
Ion	Ratio	Lower	Upper
166	100		
165	101.3	81.4	122.0
167	23.2	13.7	20.5



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#12

Phenanthrene

Concen: 1.764 ng/ul m

RT: 17.07 min Scan# 4593

Delta R.T. -0.02 min

Lab File: BM021976.D

Acq: 09 Aug 2019 19:13

Instrument :

BNA_M

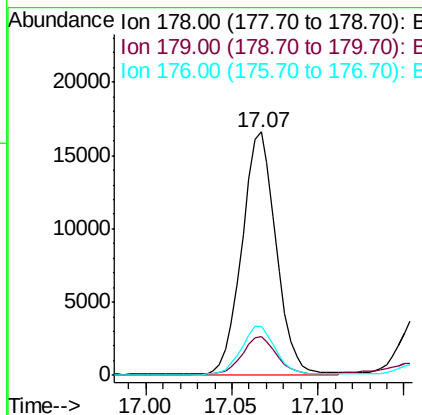
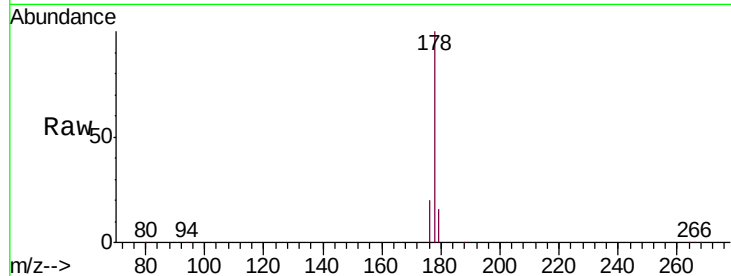
ClientSampleId :

JLLE8

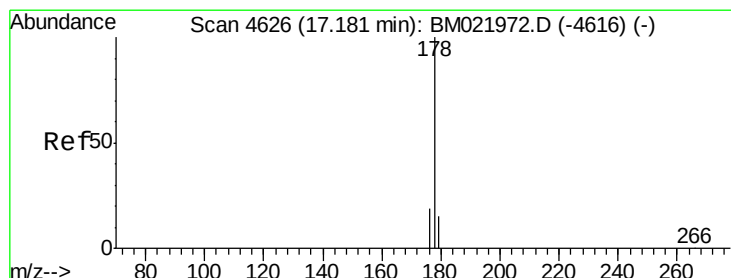
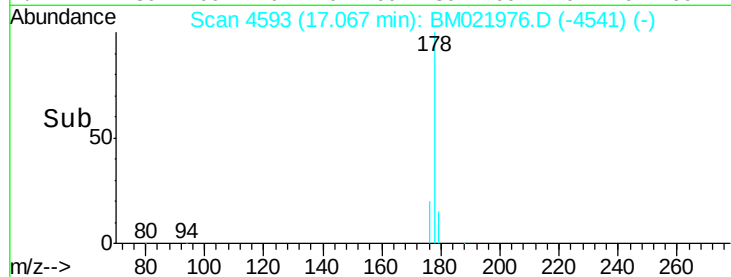
Tgt Ion:	178	Resp:	22779
Ion Ratio	Lower	Upper	
178	100		
179	15.8	14.2	21.2
176	19.9	16.8	25.2

Manual Integrations
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#13

Anthracene

Concen: 0.573 ng/ul m

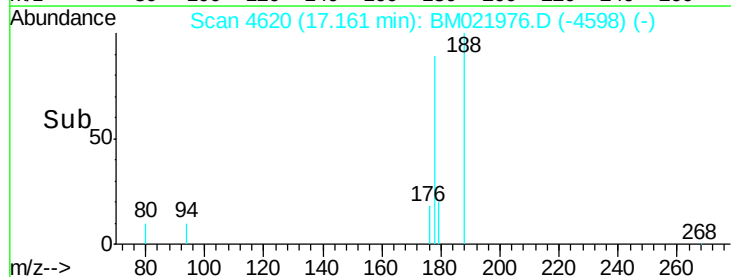
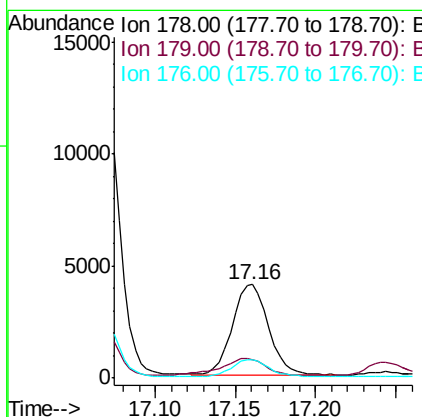
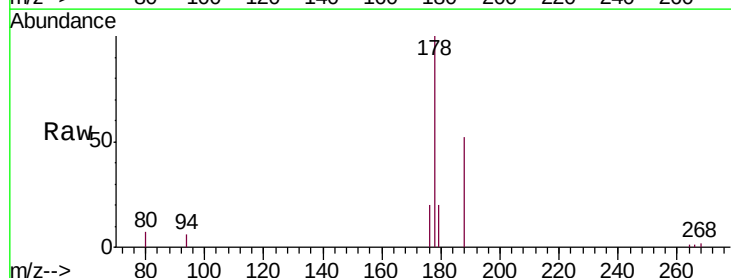
RT: 17.16 min Scan# 4620

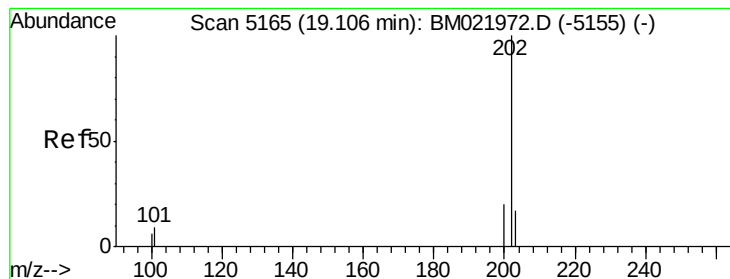
Delta R.T. -0.02 min

Lab File: BM021976.D

Acq: 09 Aug 2019 19:13

Tgt Ion:	178	Resp:	6312
Ion Ratio	Lower	Upper	
178	100		
179	20.2	15.5	23.3
176	20.0	16.6	25.0





#15

Fluoranthene

Concen: 2.473 ng/ul m

RT: 19.09 min Scan# 5161

Delta R.T. -0.02 min

Lab File: BM021976.D

Acq: 09 Aug 2019 19:13

Instrument :

BNA_M

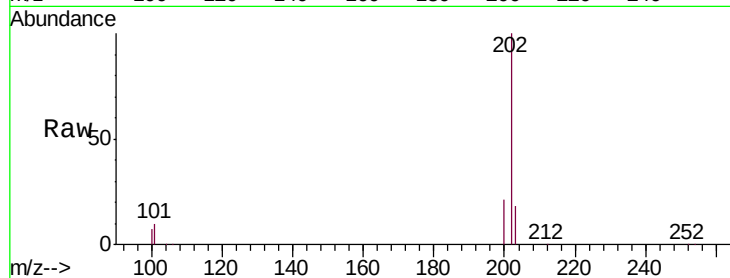
ClientSampleId :

JLLE8

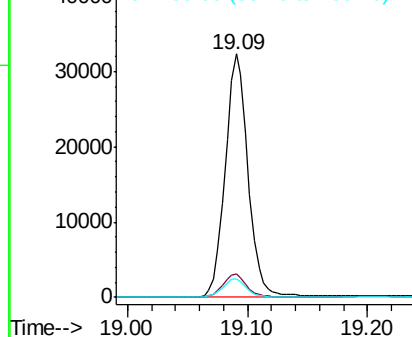
Tgt Ion:	202	Resp:	42786
Ion Ratio	Lower	Upper	
202	100		
101	9.5	0.0	30.2
100	7.4	0.0	28.1

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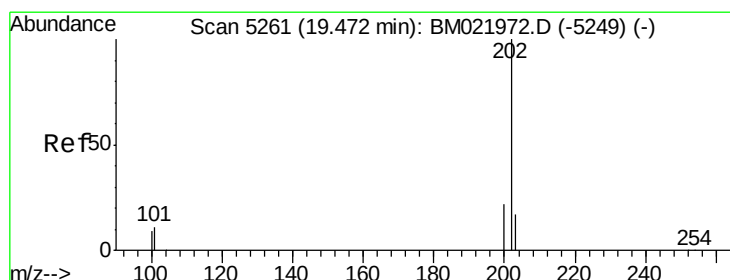
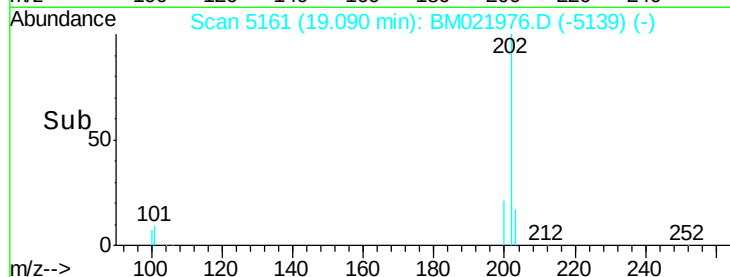
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B



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#17

Pyrene

Concen: 2.471 ng/ul

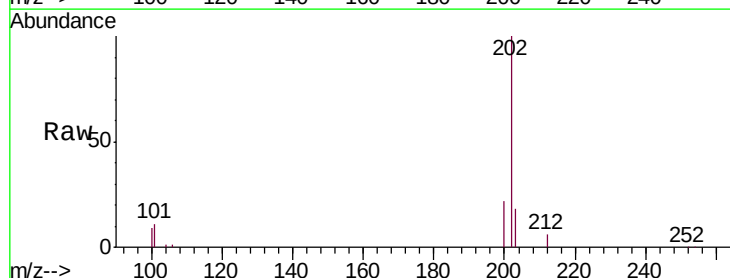
RT: 19.46 min Scan# 5257

Delta R.T. -0.02 min

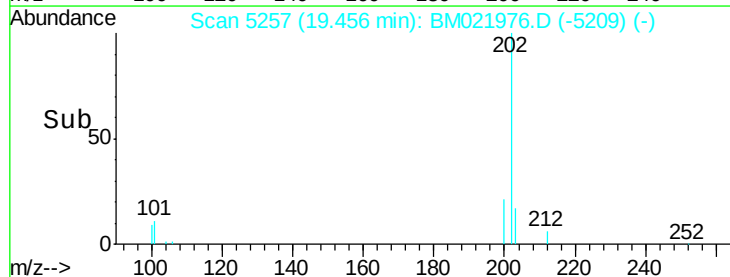
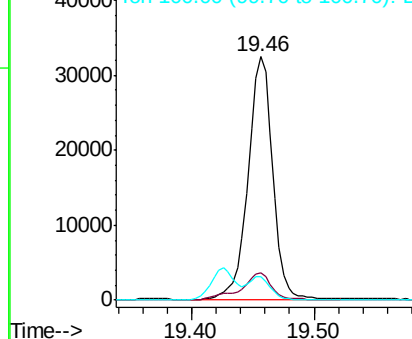
Lab File: BM021976.D

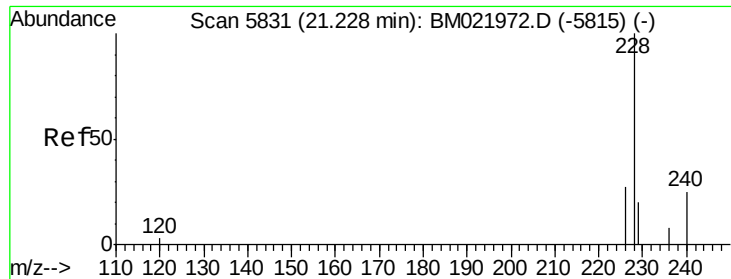
Acq: 09 Aug 2019 19:13

Tgt Ion:	202	Resp:	45184
Ion Ratio	Lower	Upper	
202	100		
101	11.1	8.3	12.5
100	9.5	7.2	10.8



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





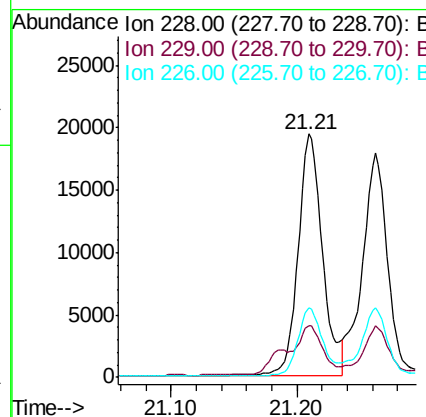
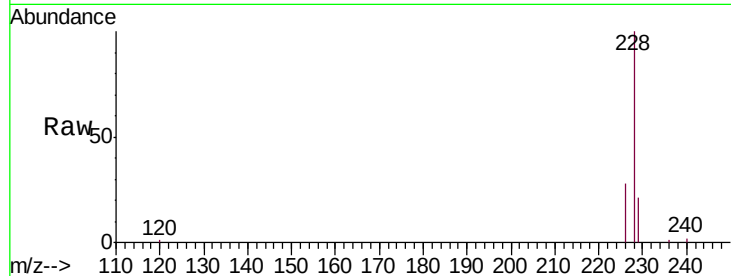
#18
Benzo(a)anthracene
Concen: 1.650 ng/ul
RT: 21.21 min Scan# 5823
Delta R.T. -0.02 min
Lab File: BM021976.D
Acq: 09 Aug 2019 19:13

Instrument :
BNA_M
ClientSampleId :
JLLE8

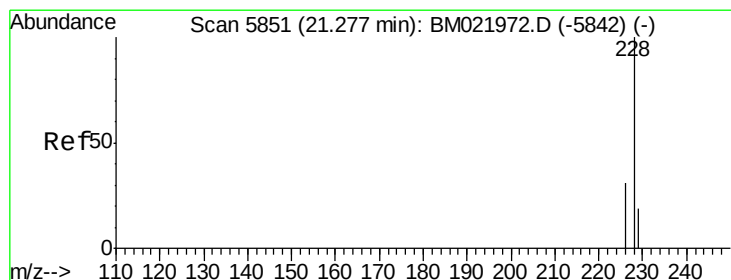
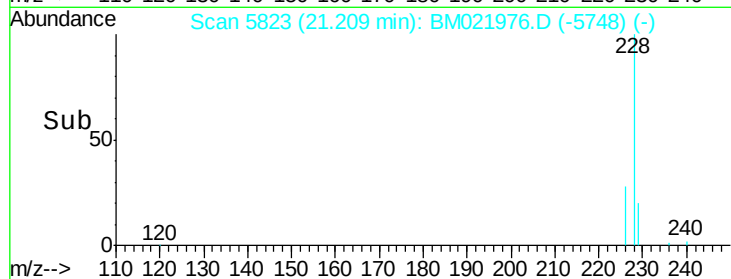
Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.2	17.2	25.8
226	28.4	22.6	34.0

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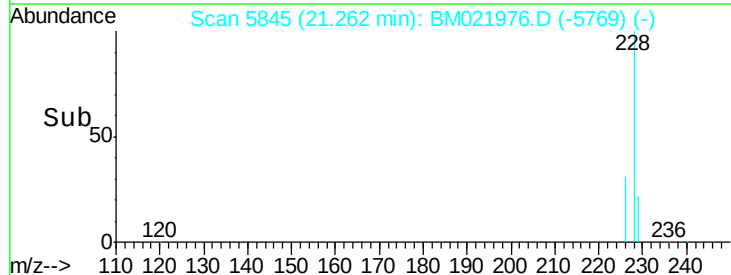
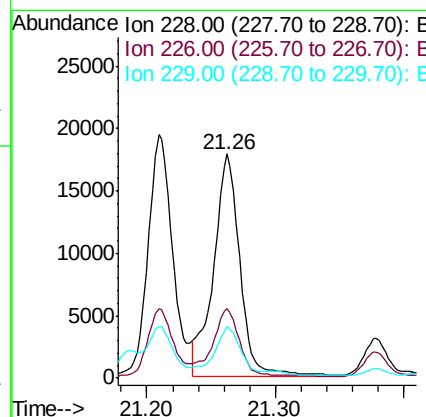
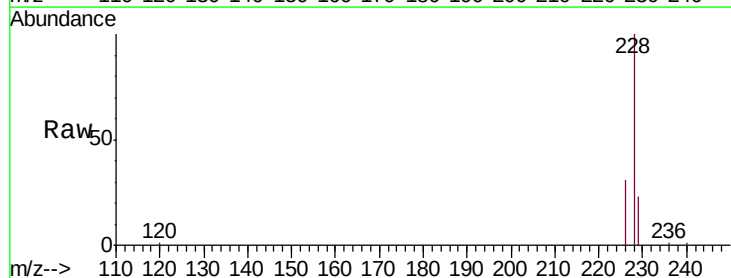


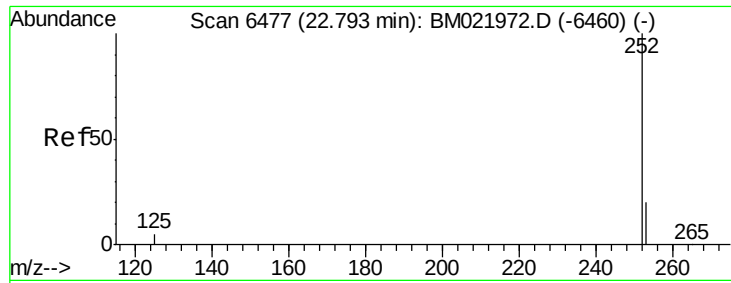
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#19
Chrysene
Concen: 1.243 ng/ul
RT: 21.26 min Scan# 5845
Delta R.T. -0.02 min
Lab File: BM021976.D
Acq: 09 Aug 2019 19:13

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.1	24.9	37.3
229	23.0	16.6	25.0





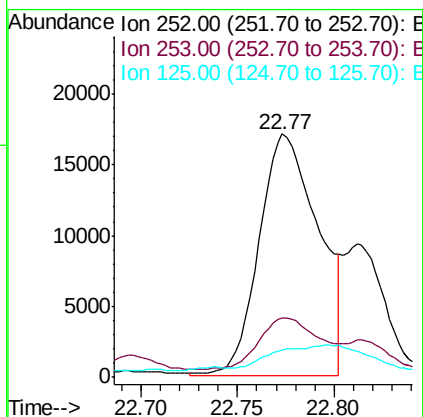
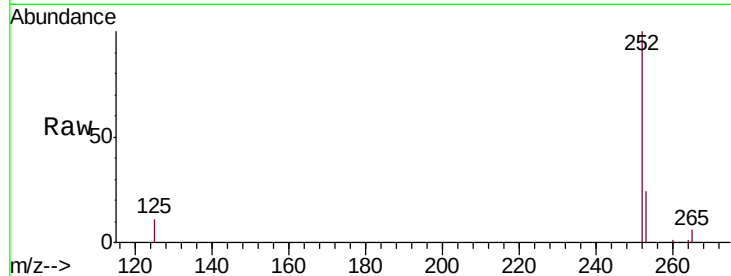
#21
Benzo(b)fluoranthene
Concen: 2.479 ng/ul m
RT: 22.77 min Scan# 6469
Delta R.T. -0.02 min
Lab File: BM021976.D
Acq: 09 Aug 2019 19:13

Instrument :
BNA_M
ClientSampleId :
JLLE8

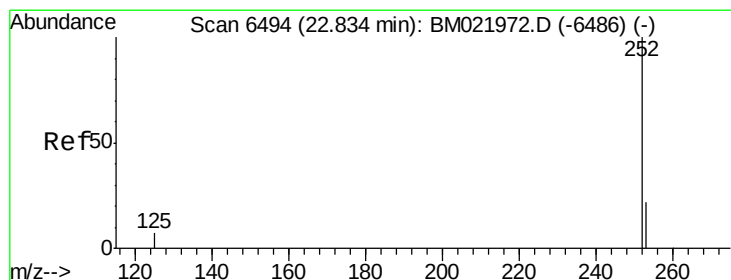
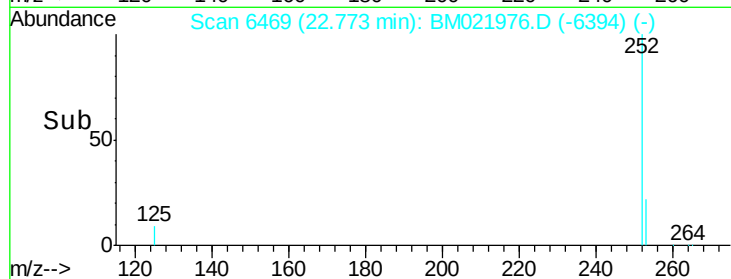
Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	24.4	0.0	67.4
125	11.3	0.0	31.0

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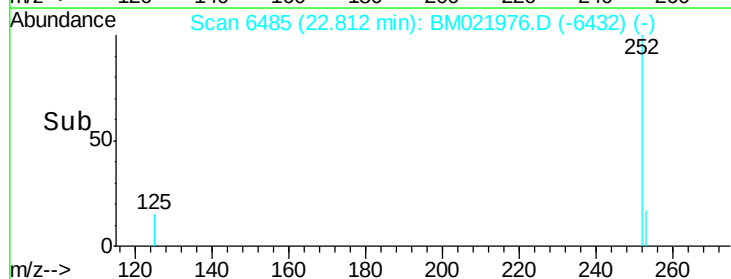
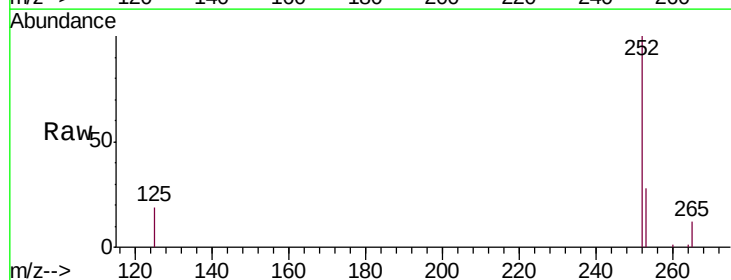
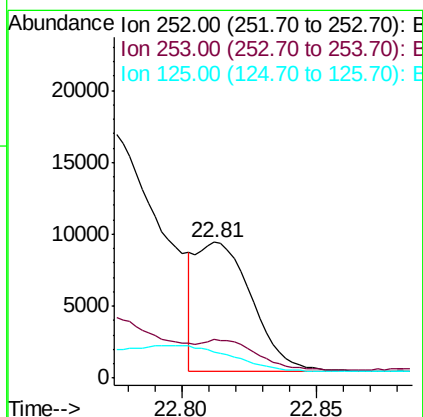


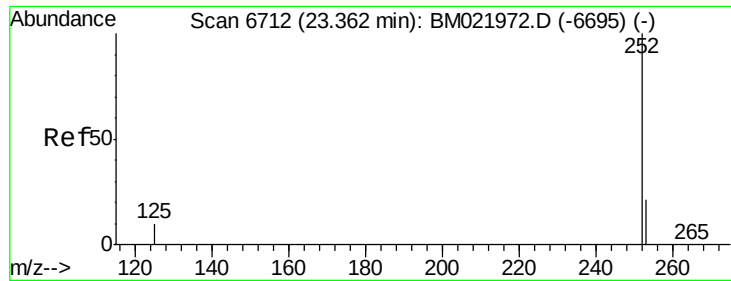
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#22
Benzo(k)fluoranthene
Concen: 0.772 ng/ul m
RT: 22.81 min Scan# 6485
Delta R.T. -0.02 min
Lab File: BM021976.D
Acq: 09 Aug 2019 19:13

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	28.2	27.0	40.4
125	19.2	12.2	18.2





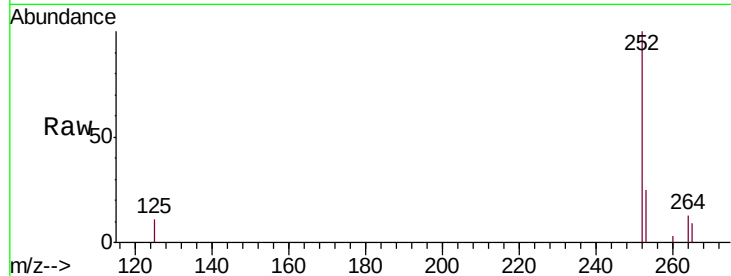
#23
Benzo(a)pyrene
Concen: 2.182 ng/ul m
RT: 23.34 min Scan# 6701
Delta R.T. -0.02 min
Lab File: BM021976.D
Acq: 09 Aug 2019 19:13

Instrument :
BNA_M
ClientSampleId :
JLLE8

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	25.0	31.7	47.5#
125	11.1	14.6	21.8#

Manual Integrations
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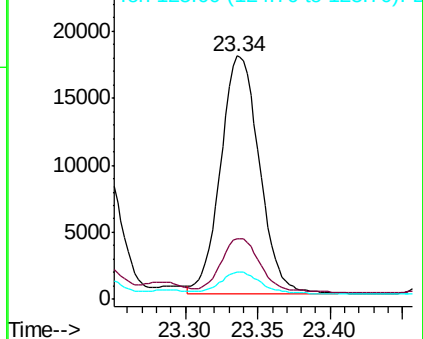


Abundance

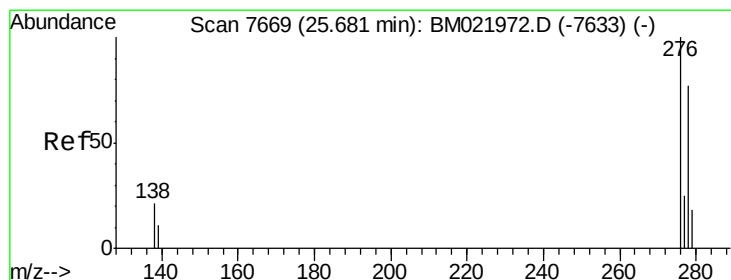
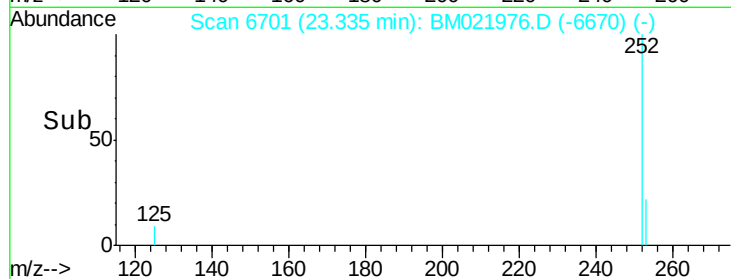
Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



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#24
Indeno(1,2,3-cd)pyrene
Concen: 1.270 ng/ul m
RT: 25.65 min Scan# 7655
Delta R.T. -0.03 min
Lab File: BM021976.D
Acq: 09 Aug 2019 19:13

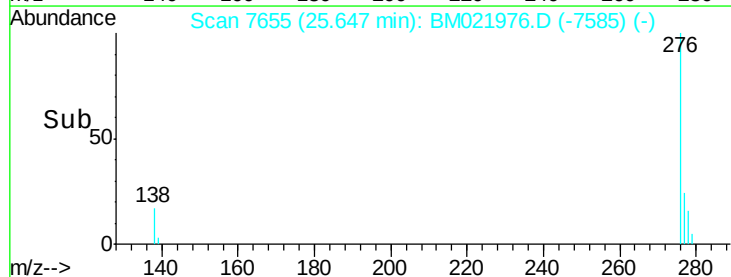
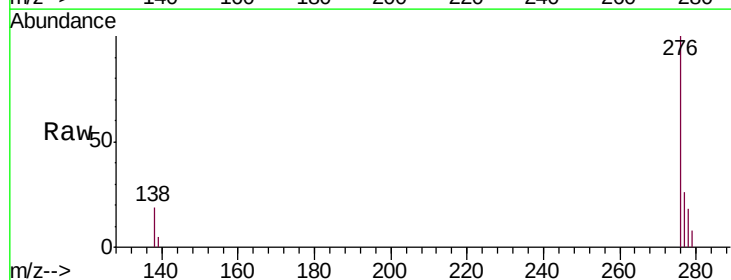
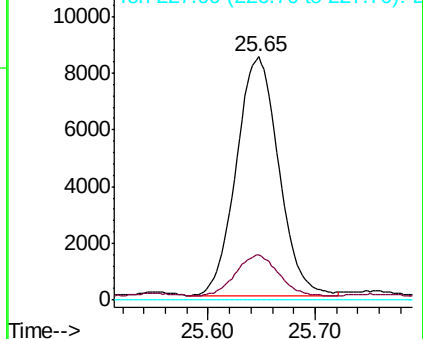
Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	1.4	15.1	22.7#
227	0.0	0.0	0.0

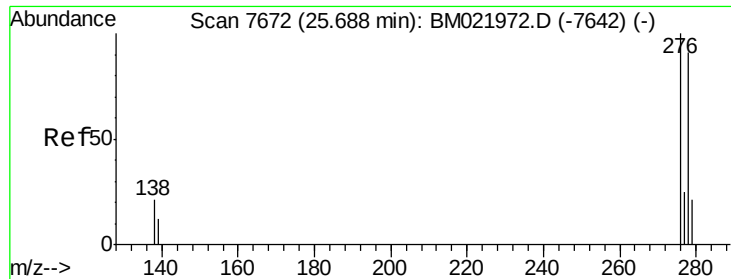
Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





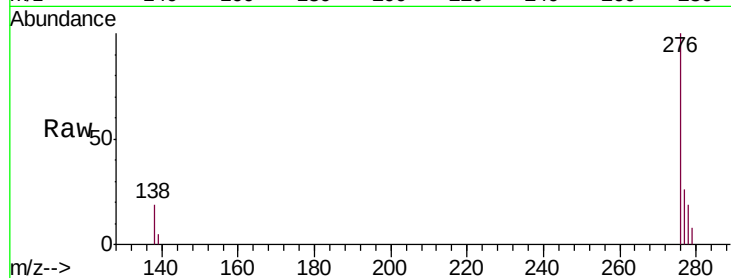
#25
Dibenzo(a,h)anthracene
Concen: 0.314 ng/ul m
RT: 25.65 min Scan# 7656
Delta R.T. -0.03 min
Lab File: BM021976.D
Acq: 09 Aug 2019 19:13

Instrument :
BNA_M
ClientSampleId :
JLLE8

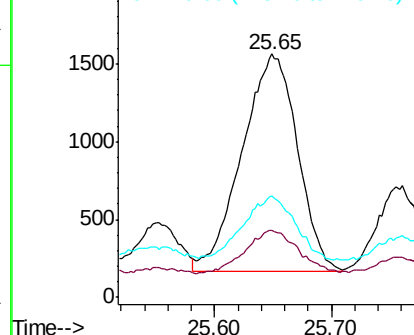
Tgt Ion	Ratio	Lower	Upper
278	100		
139	27.7	14.2	21.2#
279	41.8	28.3	42.5

Manual Integrations
APPROVED

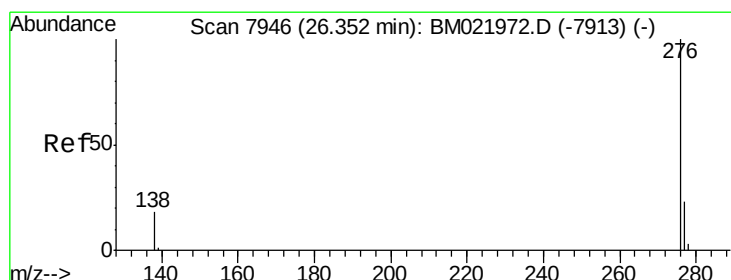
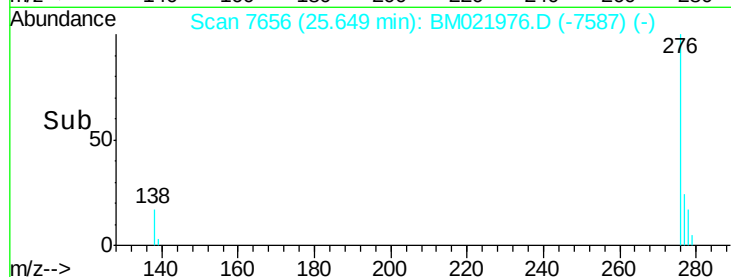
Sohil



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



8/13/2019 8:49:03 AM



#26
Benzo(g,h,i)perylene
Concen: 1.529 ng/ul m
RT: 26.33 min Scan# 7935
Delta R.T. -0.03 min
Lab File: BM021976.D
Acq: 09 Aug 2019 19:13

Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.2	15.5	23.3
277	24.3	21.4	32.2

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

