

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081219\
 Data File : BM022025.D
 Acq On : 12 Aug 2019 11:00
 Operator : HP/JU
 Sample : K4028-07DL 2X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BENY9DL

Manual Integrations
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Sohil
 8/13/2019 9:56:16 AM

Quant Time: Aug 12 14:20:42 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 12 14:07:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	784	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.39	136	3185	0.40	ng/ul	-0.03
6) Acenaphthene-d10	14.26	164	1716	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.02	188	3885	0.40	ng/ul	-0.03
16) Chrysene-d12	21.22	240	3924	0.40	ng/ul	-0.02
20) Perylene-d12	23.43	264	4732	0.40	ng/ul	-0.02
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.00	152	563	0.11	ng/ul	-0.02
14) Fluoranthene-d10	19.05	212	1689	0.13	ng/ul	-0.02
Target Compounds					Ovalue	
3) Naphthalene	10.44	128	2402	0.267	ng/ul	100
5) 2-Methylnaphthalene	12.07	142	1279	0.213	ng/ul	98
7) Acenaphthylene	13.99	152	7799	0.974	ng/ul#	82
8) Acenaphthene	14.33	153	5293	0.808	ng/ul	98
9) Fluorene	15.32	166	6255	0.860	ng/ul	99
12) Phenanthrene	17.06	178	147269	13.028	ng/ul	96
13) Anthracene	17.15	178	28607	2.967	ng/ul	95
15) Fluoranthene	19.08	202	401414	26.509	ng/ul	95
17) Pyrene	19.45	202	372284	23.088	ng/ul	97
18) Benzo(a)anthracene	21.20	228	208933	14.886	ng/ul	99
19) Chrysene	21.26	228	230267	12.756	ng/ul	99
21) Benzo(b)fluoranthene	22.77	252	316304m	19.822	ng/ul	
22) Benzo(k)fluoranthene	22.81	252	120949m	6.698	ng/ul	
23) Benzo(a)pyrene	23.34	252	217360	13.394	ng/ul#	75
24) Indeno(1,2,3-cd)pyrene	25.64	276	155863	8.044	ng/ul#	93
25) Dibenzo(a,h)anthracene	25.64	278	39804	2.542	ng/ul	91
26) Benzo(a,h,i)perylene	26.32	276	155507	8.915	ng/ul	94

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

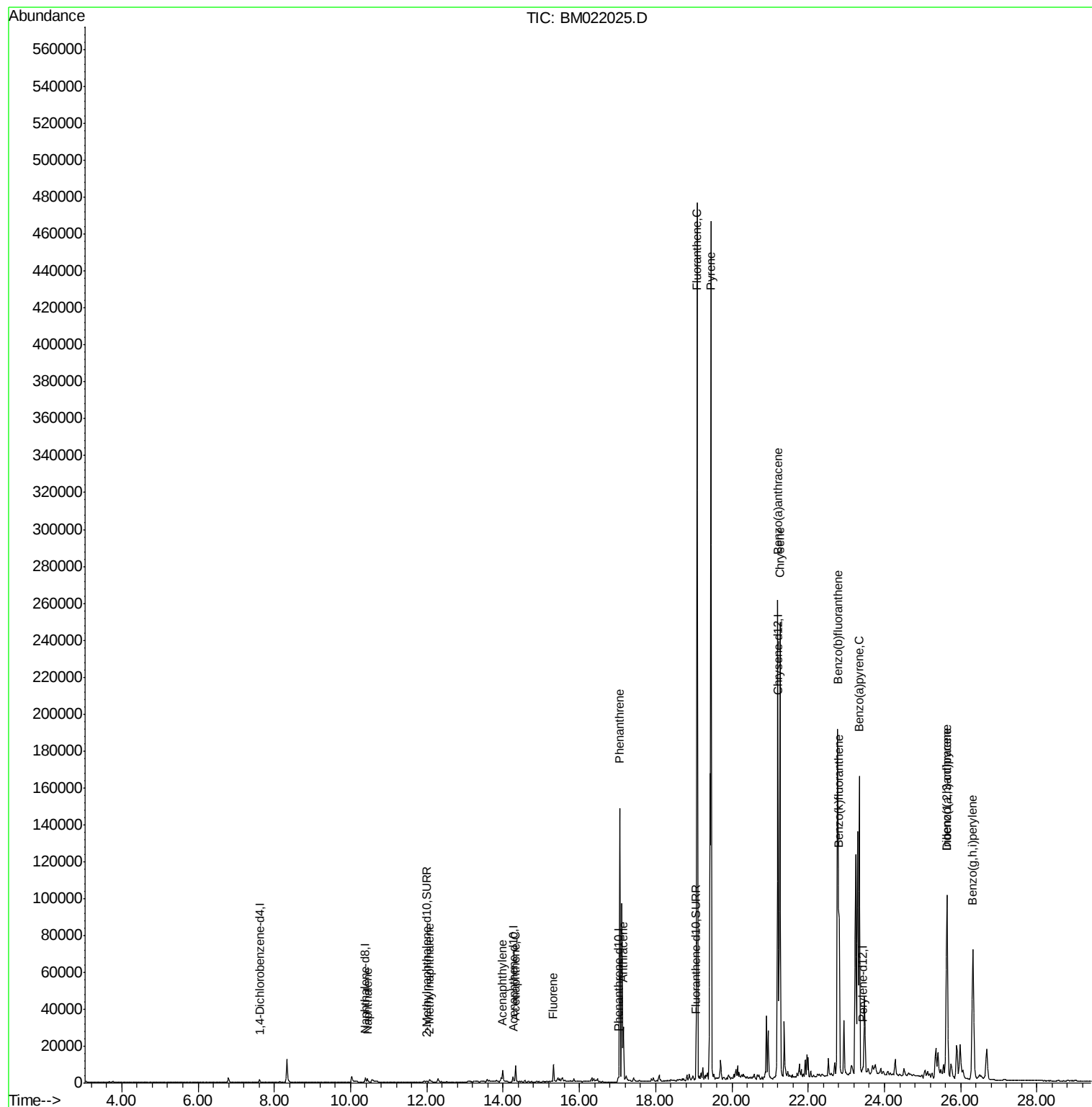
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081219\
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ALS Vial : 6 Sample Multiplier: 1

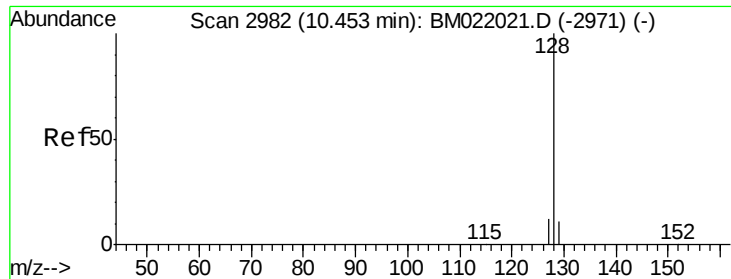
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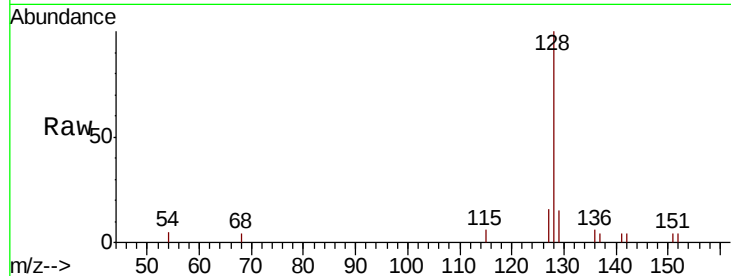
#3
Naphthalene
Concen: 0.267 ng/ul
RT: 10.44 min Scan# 2979
Delta R.T. -0.03 min
Lab File: BM022025.D
Acq: 12 Aug 2019 11:00

Instrument :
BNA_M
ClientSampleId :
BENY9DL

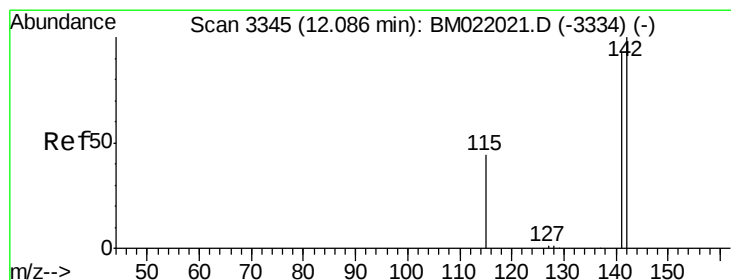
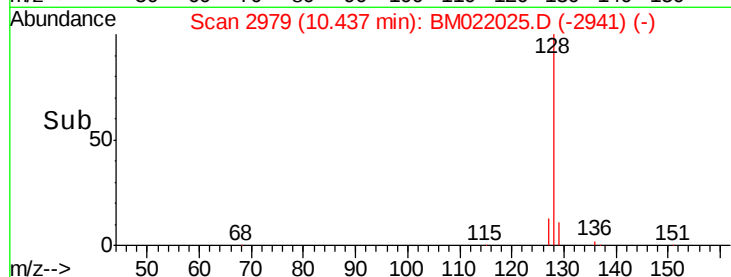
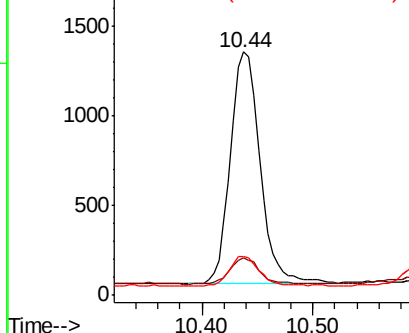
Tot Ion	Ratio	Lower	Upper
128	100		
129	15.5	12.3	18.5
127	16.1	13.0	19.6

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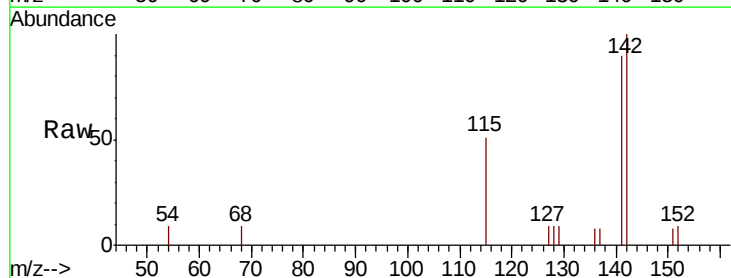


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

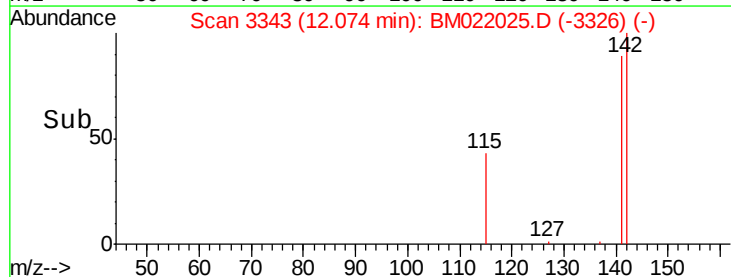
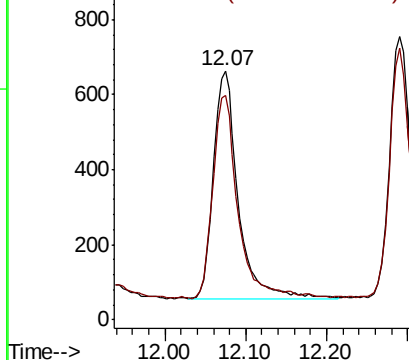


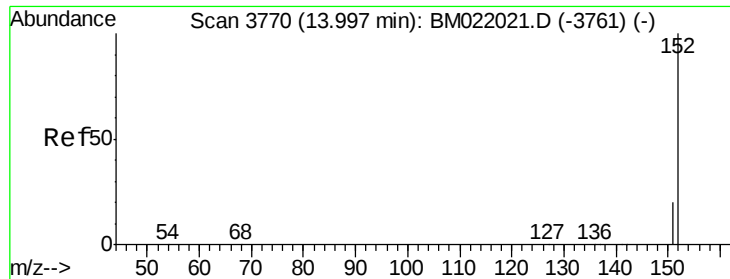
#5
2-Methylnaphthalene
Concen: 0.213 ng/ul
RT: 12.07 min Scan# 3343
Delta R.T. -0.02 min
Lab File: BM022025.D
Acq: 12 Aug 2019 11:00

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.3	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: 0.974 ng/ul

RT: 13.99 min Scan# 3768

Delta R.T. -0.02 min

Lab File: BM022025.D

Acq: 12 Aug 2019 11:00

Instrument :

BNA_M

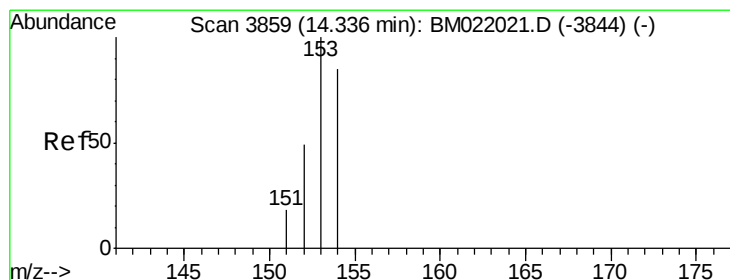
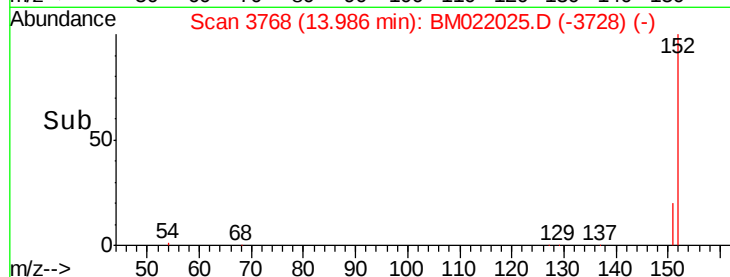
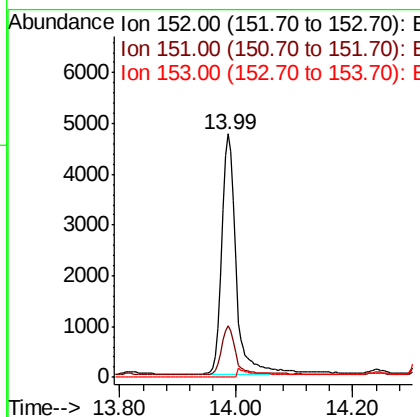
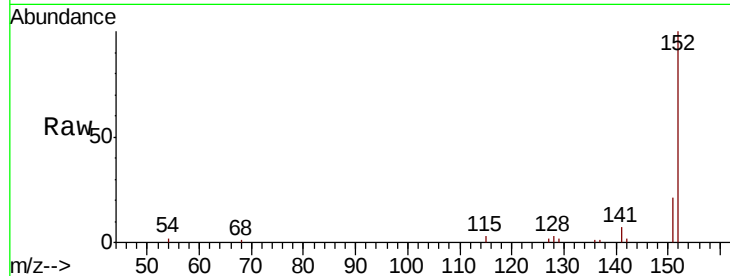
ClientSampleId :

BENY9DL

Tot Ion:	152	Resp:	7799
Ion Ratio	Lower	Upper	
152	100		
151	21.0	18.3	27.5
153	0.0	12.8	19.2#

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#8

Acenaphthene

Concen: 0.808 ng/ul

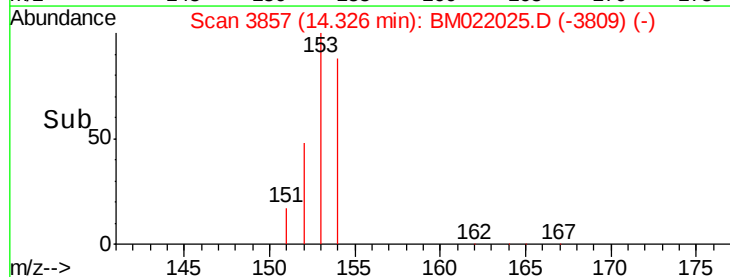
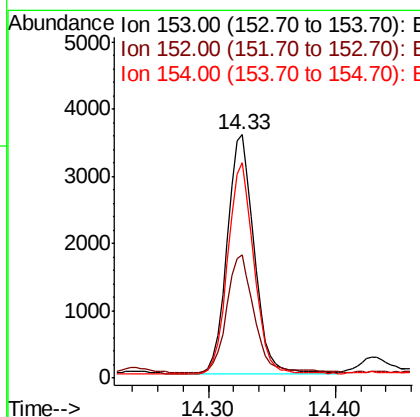
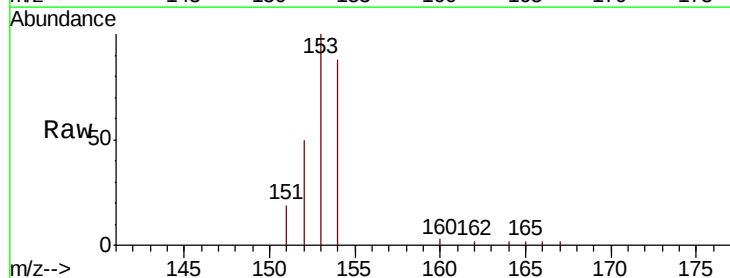
RT: 14.33 min Scan# 3857

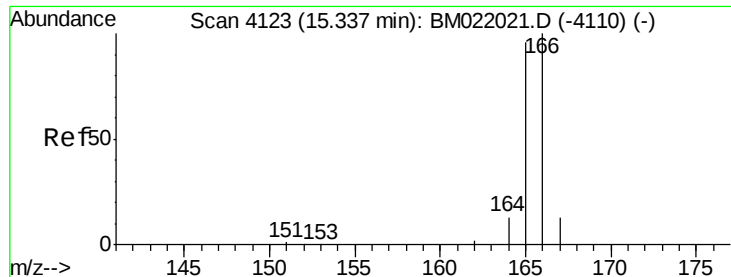
Delta R.T. -0.02 min

Lab File: BM022025.D

Acq: 12 Aug 2019 11:00

Tgt Ion:	153	Resp:	5293
Ion Ratio	Lower	Upper	
153	100		
152	50.4	41.3	61.9
154	88.4	72.3	108.5





#9

Fluorene

Concen: 0.860 ng/ul

RT: 15.32 min Scan# 4119

Delta R.T. -0.03 min

Lab File: BM022025.D

Acq: 12 Aug 2019 11:00

Instrument :

BNA_M

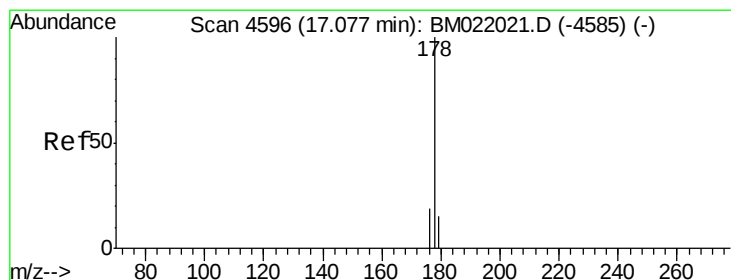
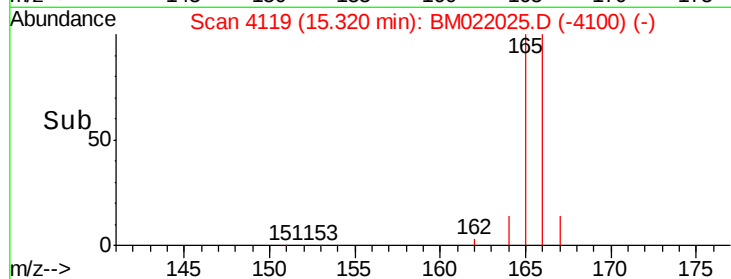
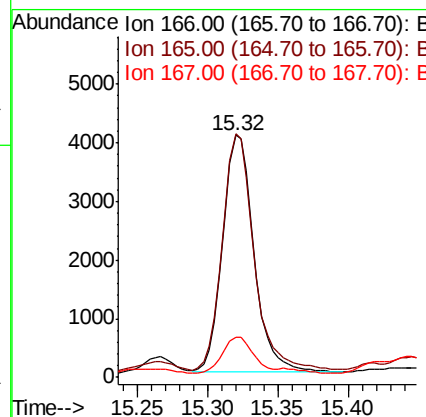
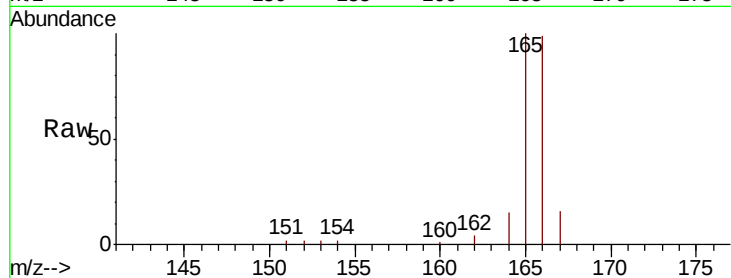
ClientSampleId :

BENY9DL

Tot Ion:	166	Resp:	6255
Ion Ratio	Lower	Upper	
166	100		
165	100.6	81.4	122.0
167	16.4	13.7	20.5

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#12

Phenanthrene

Concen: 13.028 ng/ul

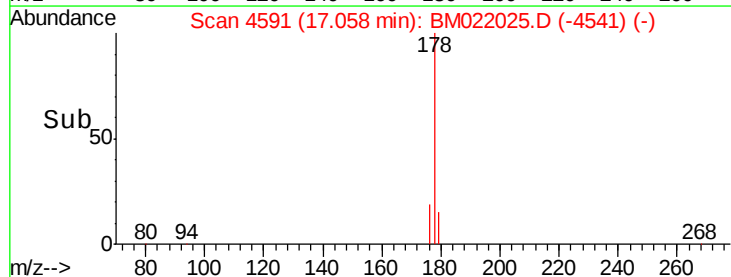
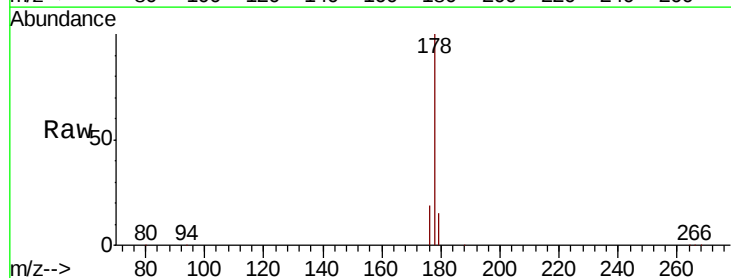
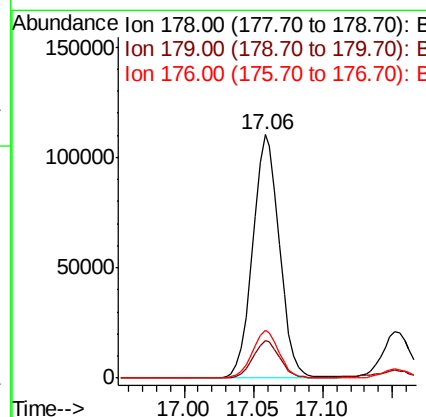
RT: 17.06 min Scan# 4591

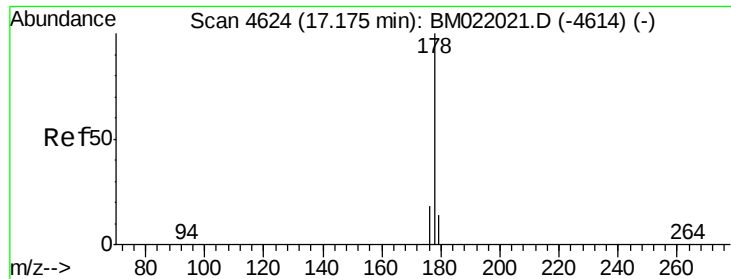
Delta R.T. -0.03 min

Lab File: BM022025.D

Acq: 12 Aug 2019 11:00

Tgt Ion:	178	Resp:	147269
Ion Ratio	Lower	Upper	
178	100		
179	15.3	14.2	21.2
176	19.4	16.8	25.2





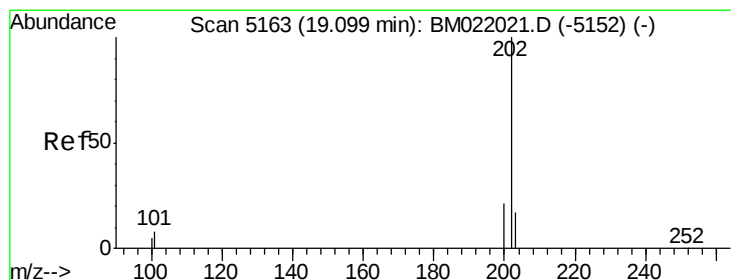
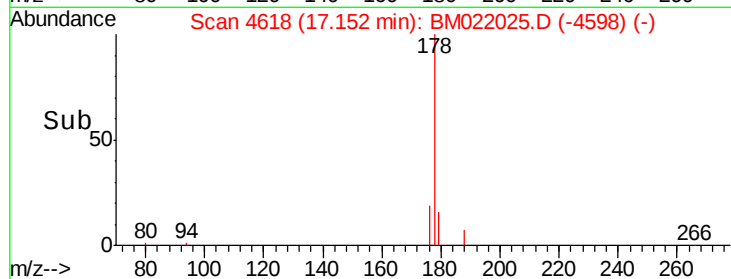
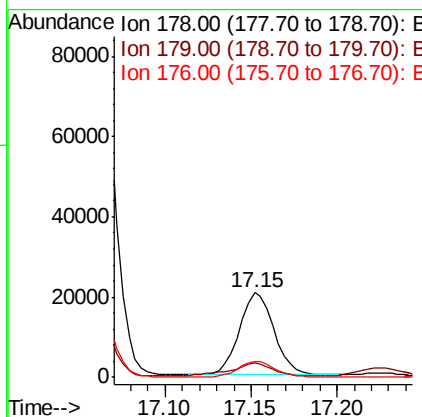
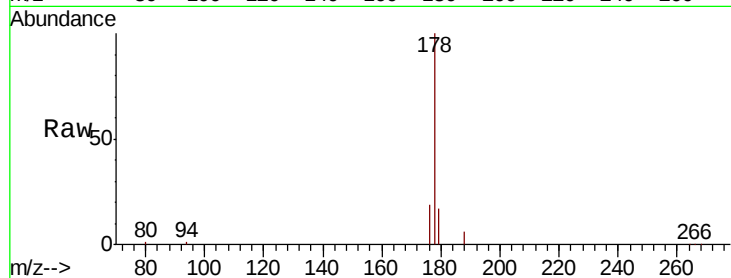
#13
 Anthracene
 Concen: 2.967 ng/ul
 RT: 17.15 min Scan# 4618
 Delta R.T. -0.03 min
 Lab File: BM022025.D
 Acq: 12 Aug 2019 11:00

Instrument :
 BNA_M
 ClientSampleId :
 BENY9DL

Tot Ion	Ratio	Lower	Upper
178	100		
179	16.7	15.5	23.3
176	19.3	16.6	25.0

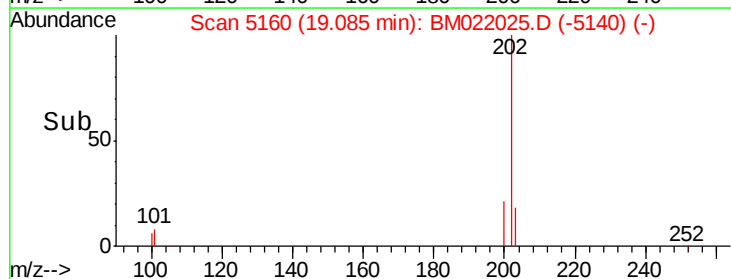
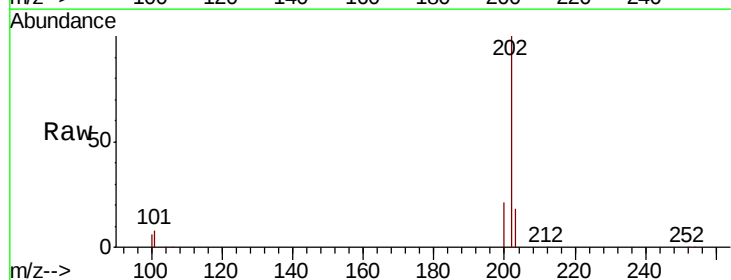
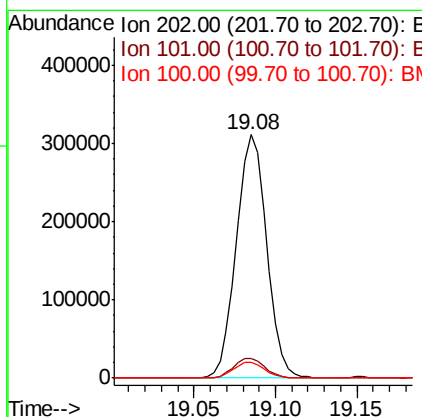
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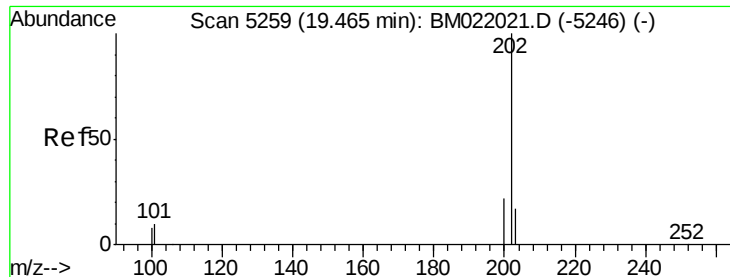
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#15
 Fluoranthene
 Concen: 26.509 ng/ul
 RT: 19.08 min Scan# 5160
 Delta R.T. -0.02 min
 Lab File: BM022025.D
 Acq: 12 Aug 2019 11:00

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.1	0.0	30.2
100	6.4	0.0	28.1





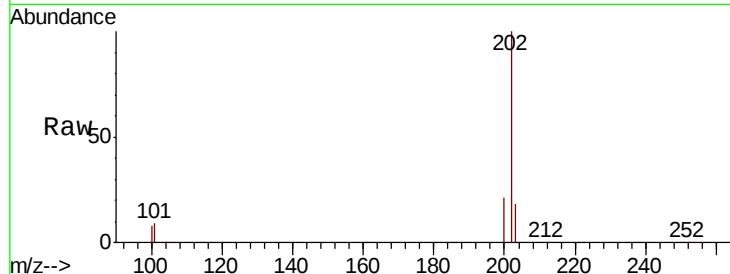
#17
Pvrene
Concen: 23.088 ng/ul
RT: 19.45 min Scan# 5256
Delta R.T. -0.02 min
Lab File: BM022025.D
Acq: 12 Aug 2019 11:00

Instrument :
BNA_M
ClientSampleId :
BENY9DL

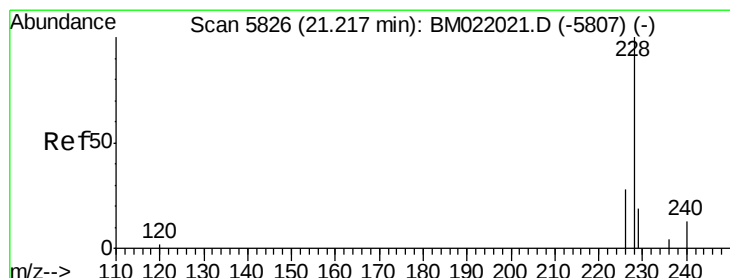
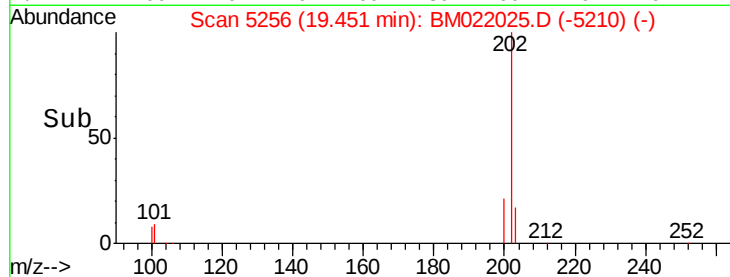
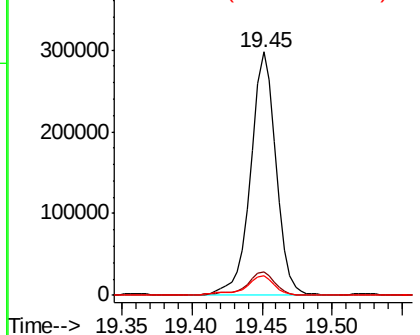
Tot Ion	Ratio	Resp	Lower	Upper
202	100	372284		
101	9.5	8.3	12.5	
100	7.9	7.2	10.8	

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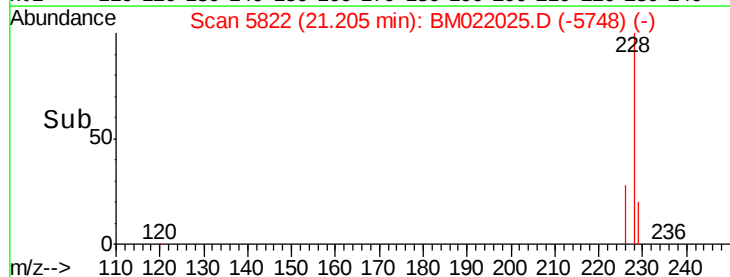
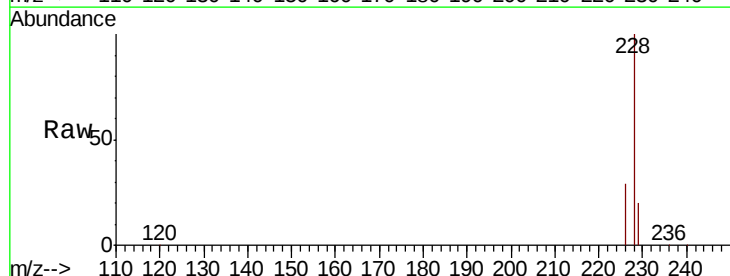
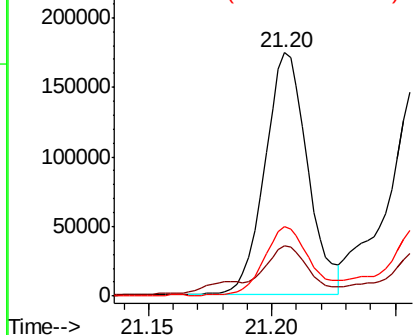
Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

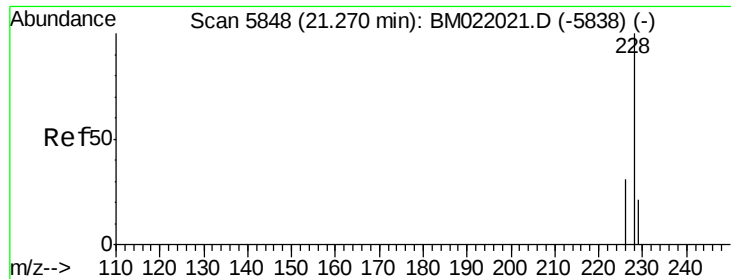


#18
Benzo(a)anthracene
Concen: 14.886 ng/ul
RT: 21.20 min Scan# 5822
Delta R.T. -0.02 min
Lab File: BM022025.D
Acq: 12 Aug 2019 11:00

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	208933		
229	20.4	17.2	25.8	
226	28.6	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: 12.756 ng/ul

RT: 21.26 min Scan# 5844

Delta R.T. -0.02 min

Lab File: BM022025.D

Acq: 12 Aug 2019 11:00

Instrument :

BNA_M

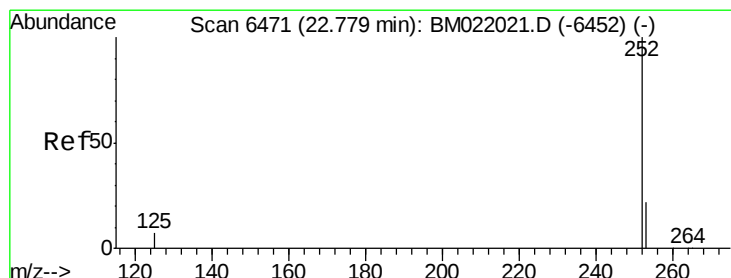
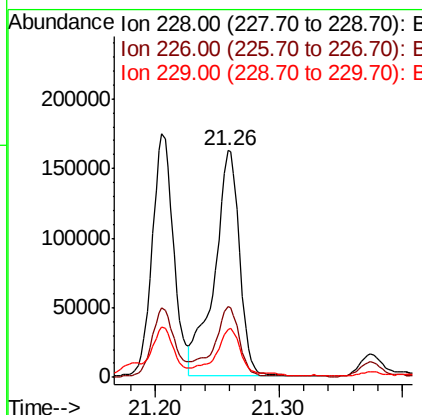
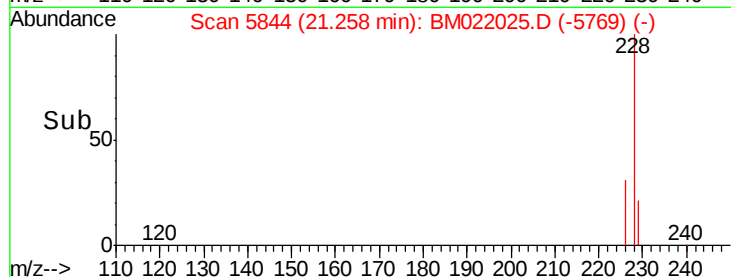
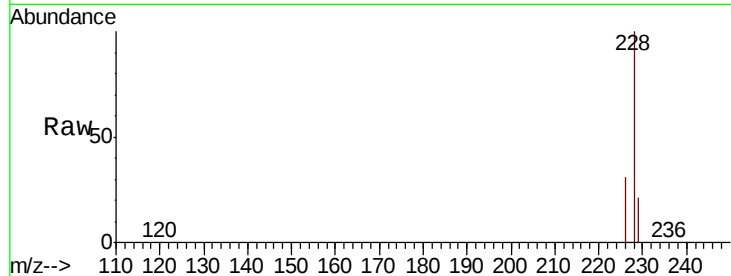
ClientSampleId :

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Tot Ion:	228	Resp:	230267
Ion Ratio	Lower	Upper	
228	100		
226	31.3	24.9	37.3
229	21.3	16.6	25.0

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#21

Benzo(b)fluoranthene

Concen: 19.822 ng/ul m

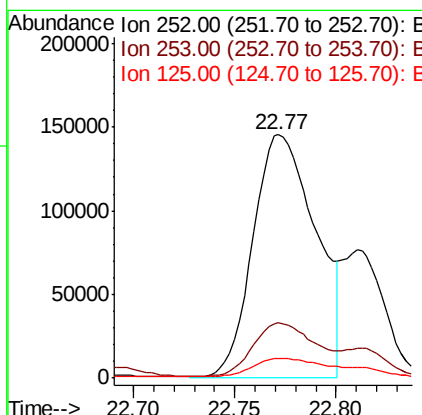
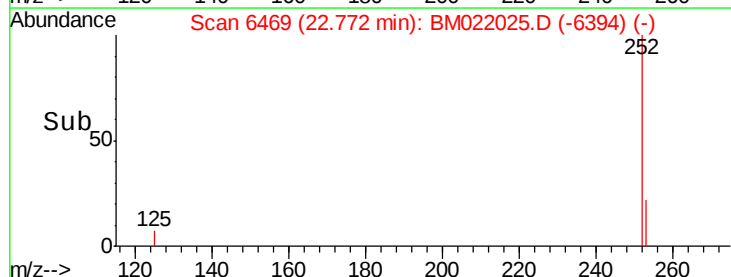
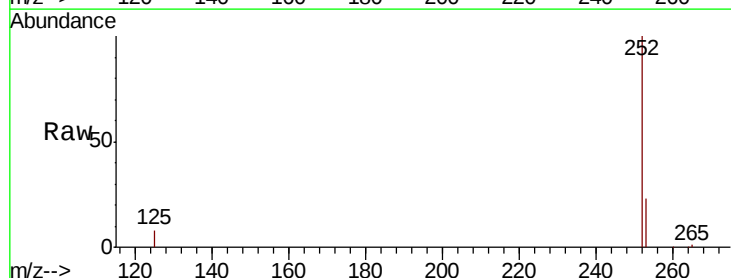
RT: 22.77 min Scan# 6469

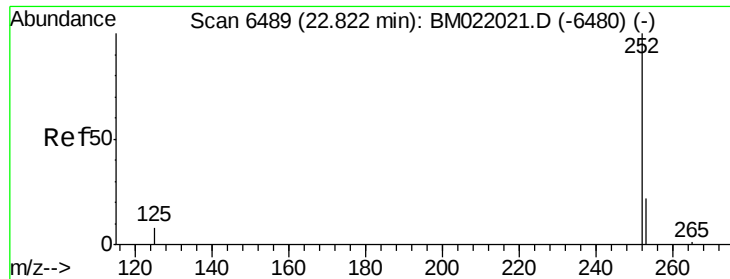
Delta R.T. -0.02 min

Lab File: BM022025.D

Acq: 12 Aug 2019 11:00

Tgt Ion:	252	Resp:	316304
Ion Ratio	Lower	Upper	
252	100		
253	22.7	0.0	67.4
125	8.0	0.0	31.0





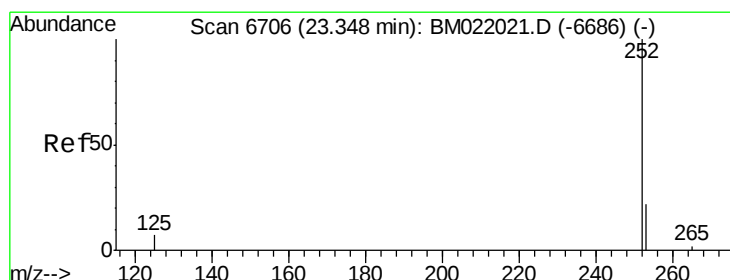
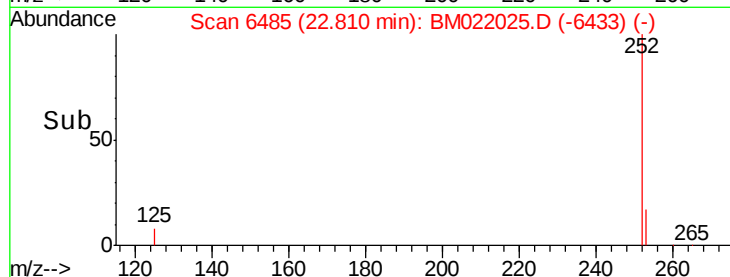
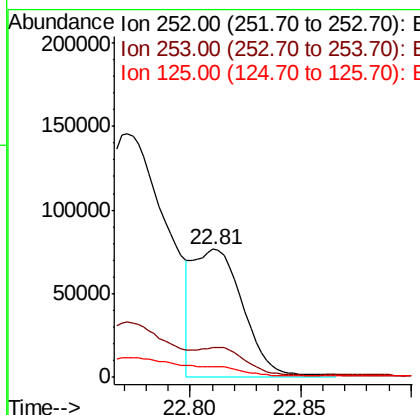
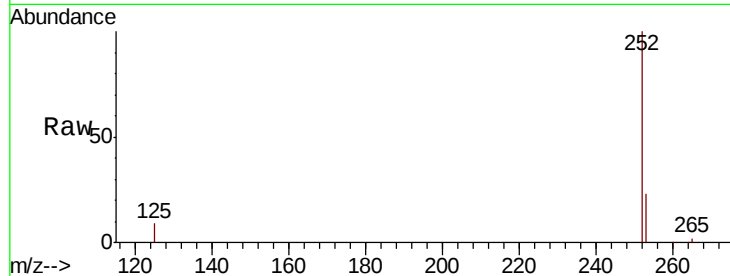
#22
Benzo(k)fluoranthene
Concen: 6.698 ng/ul m
RT: 22.81 min Scan# 6485
Delta R.T. -0.02 min
Lab File: BM022025.D
Acq: 12 Aug 2019 11:00

Instrument :
BNA_M
ClientSampleId :
BENY9DL

Tot Ion	Ratio	Resp	Lower	Upper
252	100	120949		
253	23.3		27.0	40.4#
125	8.6		12.2	18.2#

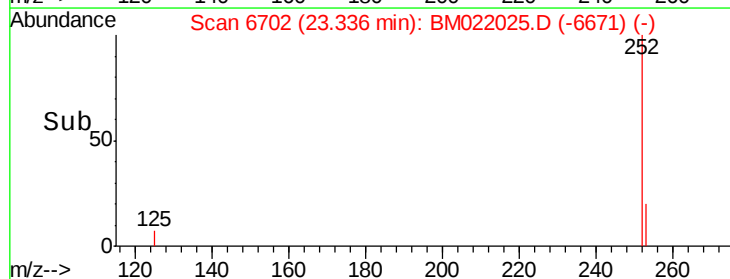
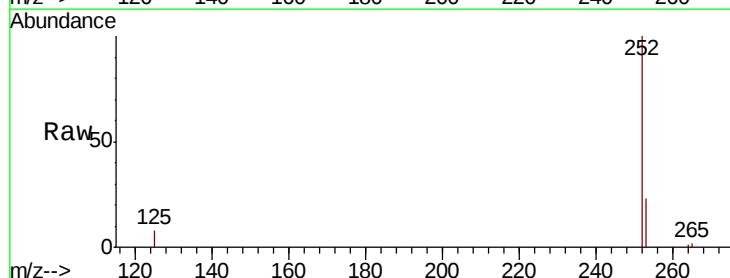
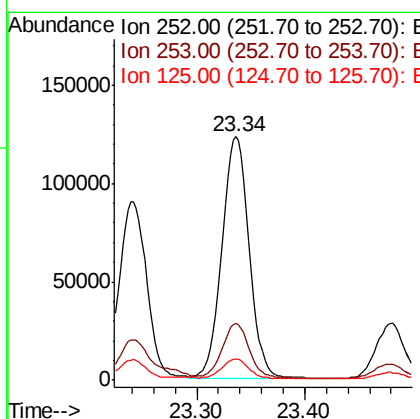
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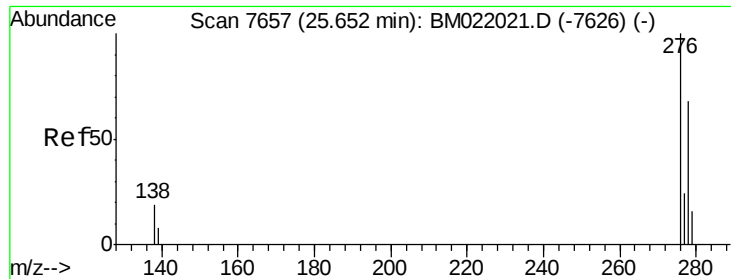
Sohil
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#23
Benzo(a)pyrene
Concen: 13.394 ng/ul
RT: 23.34 min Scan# 6702
Delta R.T. -0.02 min
Lab File: BM022025.D
Acq: 12 Aug 2019 11:00

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	217360		
253	23.1		31.7	47.5#
125	8.3		14.6	21.8#





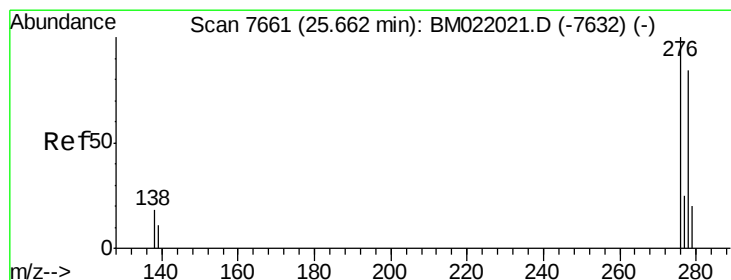
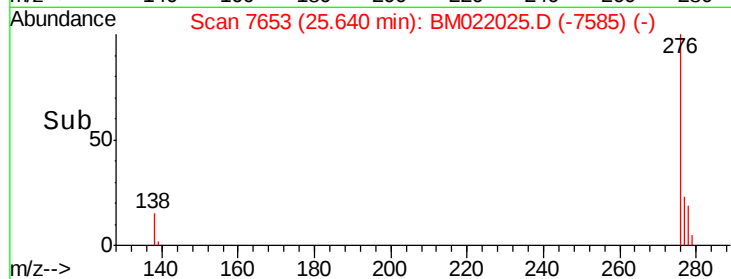
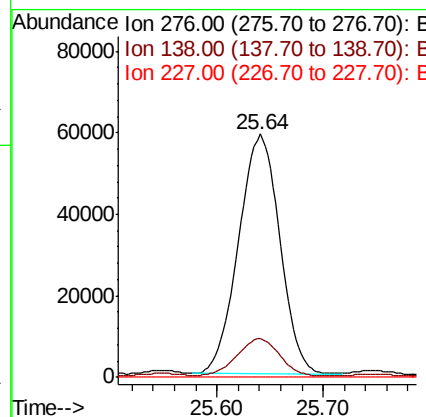
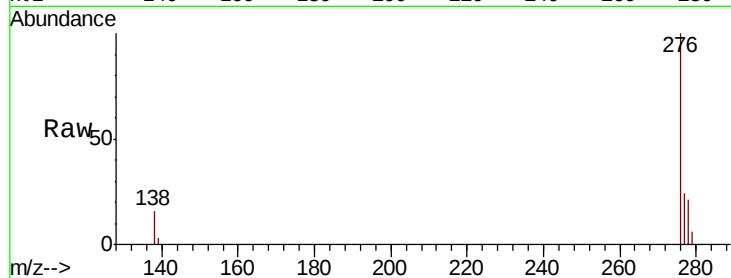
#24
 Indeno(1,2,3-cd)pyrene
 Concen: 8.044 ng/ul
 RT: 25.64 min Scan# 7653
 Delta R.T. -0.04 min
 Lab File: BM022025.D
 Acq: 12 Aug 2019 11:00

Instrument :
 BNA_M
 ClientSampleId :
 BENY9DL

Tot Ion	Ratio	Resp	Lower	Upper
276	100	155863		
138	15.9		15.1	22.7
227	0.0		0.0	0.0

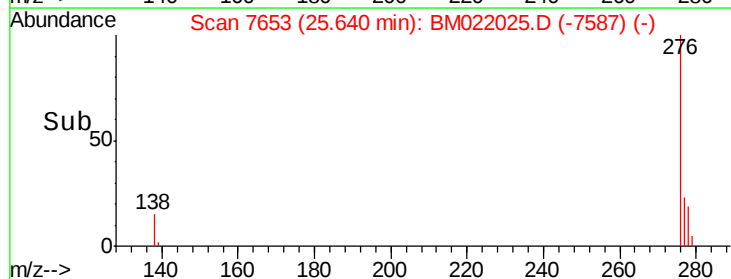
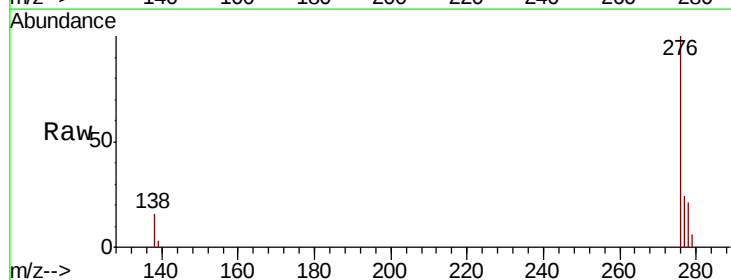
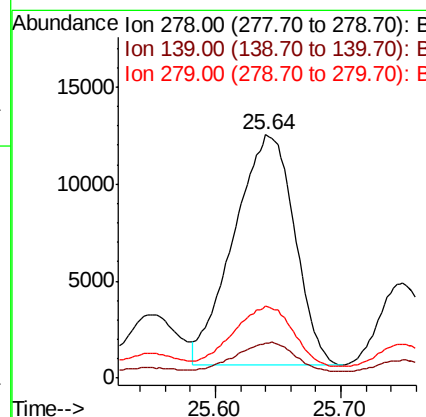
Manual Integrations
 APPROVED

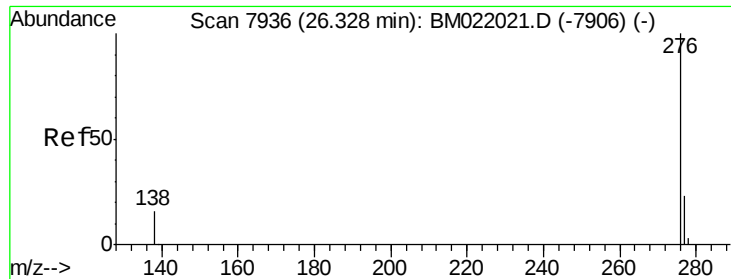
Sohil
 8/13/2019 9:56:16 AM



#25
 Dibenzo(a,h)anthracene
 Concen: 2.542 ng/ul
 RT: 25.64 min Scan# 7653
 Delta R.T. -0.04 min
 Lab File: BM022025.D
 Acq: 12 Aug 2019 11:00

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	39804		
139	14.6		14.2	21.2
279	29.5		28.3	42.5





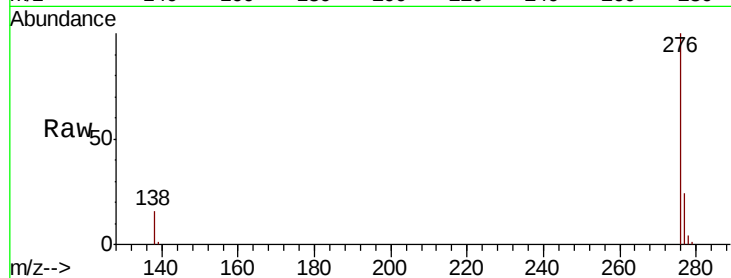
#26
Benzo(a,h,i)perylene
Concen: 8.915 ng/ul
RT: 26.32 min Scan# 7933
Delta R.T. -0.04 min
Lab File: BM022025.D
Acq: 12 Aug 2019 11:00

Instrument :
BNA_M
ClientSampleId :
BENY9DL

Tot Ion	Ratio	Resp Lower	Upper
276	100		
138	16.5	15.5	23.3
277	24.2	21.4	32.2

Manual Integrations
APPROVED

Sohil
8/13/2019 9:56:16 AM



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

