

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM112020\
 Data File : BM027896.D
 Acq On : 22 Nov 2020 00:10
 Operator : JU/CG
 Sample : L4711-04
 Misc :
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AZ8

Manual Integrations
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Quant Time: Nov 23 05:28:01 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM112020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 23 04:04:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.33	152	1230	0.40	ng/ul	0.00
2) Naphthalene-d8	11.17	136	4851	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.95	164	2885	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.66	188	4796m	0.40	ng/ul	0.00
16) Chrysene-d12	21.76	240	2528	0.40	ng/ul	0.00
20) Perylene-d12	24.19	264	2299	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.73	152	2302	0.28	ng/ul	0.00
14) Fluoranthene-d10	19.65	212	3077	0.24	ng/ul	0.00
Target Compounds					Ovalue	
3) Naphthalene	11.22	128	877	0.060	ng/ul#	84
5) 2-Methylnaphthalene	12.80	142	632	0.064	ng/ul	97
7) Acenaphthylene	14.67	152	2292	0.163	ng/ul	95
8) Acenaphthene	15.01	153	571	0.054	ng/ul#	87
9) Fluorene	15.98	166	786	0.064	ng/ul#	94
12) Phenanthrene	17.70	178	18070	1.193	ng/ul	98
13) Anthracene	17.79	178	4064	0.278	ng/ul	98
15) Fluoranthene	19.68	202	37659	2.242	ng/ul	98
17) Pyrene	20.04	202	31648	2.465	ng/ul	98
18) Benzo(a)anthracene	21.75	228	14324	1.404	ng/ul	98
19) Chrysene	21.80	228	16400	1.651	ng/ul	98
21) Benzo(b)fluoranthene	23.45	252	17922m	1.855	ng/ul	
22) Benzo(k)fluoranthene	23.49	252	6466m	0.683	ng/ul	
23) Benzo(a)pyrene	24.08	252	12413	1.469	ng/ul	93
24) Indeno(1,2,3-cd)pyrene	26.68	276	8586	0.939	ng/ul#	98
25) Dibenzo(a,h)anthracene	26.69	278	2360	0.310	ng/ul#	46
26) Benzo(a,h,i)perylene	27.46	276	8356	1.089	ng/ul	97

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

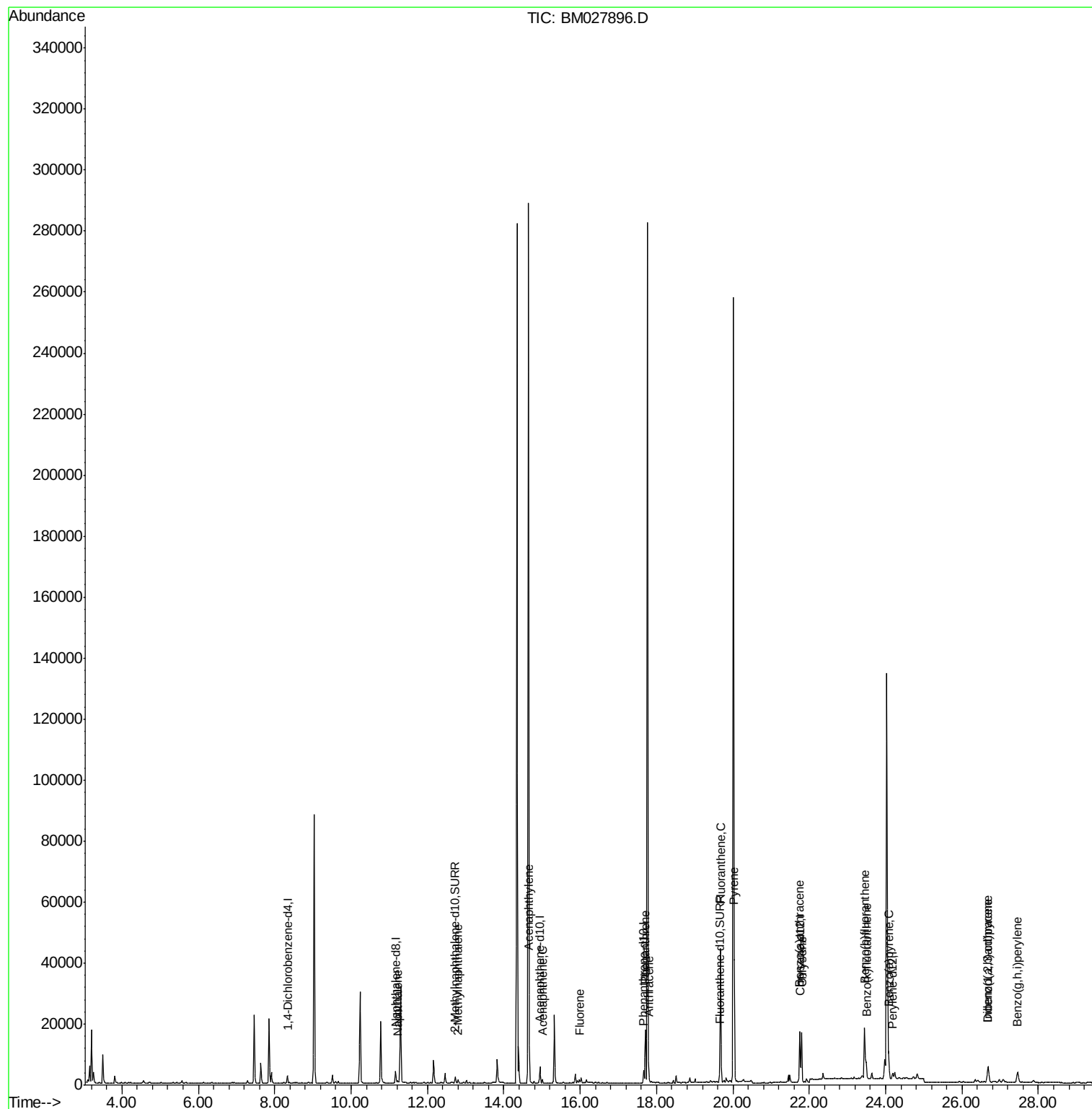
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM112020\
Data File : BM027896.D
Acq On : 22 Nov 2020 00:10
Operator : JU/CG
Sample : L4711-04
Misc :
ALS Vial : 50 Sample Multiplier: 1

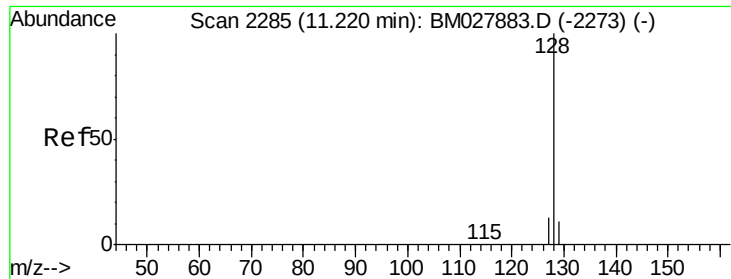
Instrument :
BNA_M
ClientSampleId :
C0AZ8

Quant Time: Nov 23 05:28:01 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM112020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 23 04:04:52 2020
Response via : Initial Calibration

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#3

Naphthalene

Concen: 0.060 ng/ul

RT: 11.22 min Scan# 2285

Delta R.T. -0.00 min

Lab File: BM027896.D

Acq: 22 Nov 2020 00:10

Instrument :

BNA_M

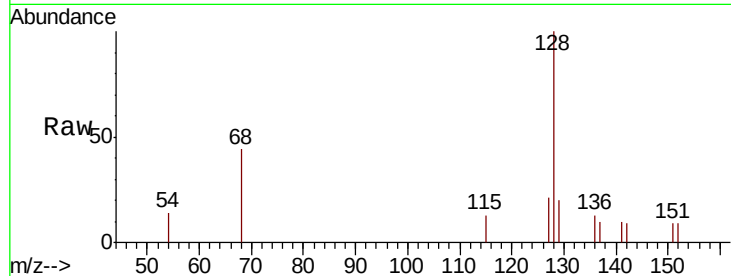
ClientSampleId :

C0AZ8

Tot Ion	Ratio	Lower	Upper
128	100		
129	20.1	10.4	15.6#
127	21.3	12.0	18.0#

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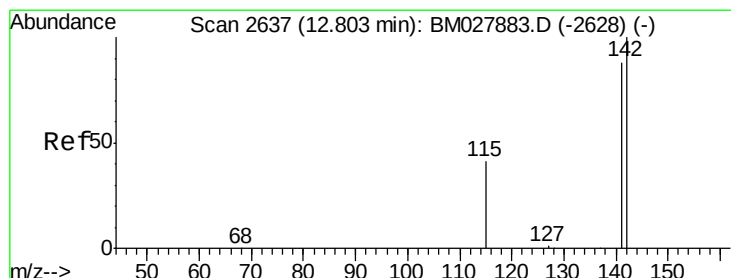
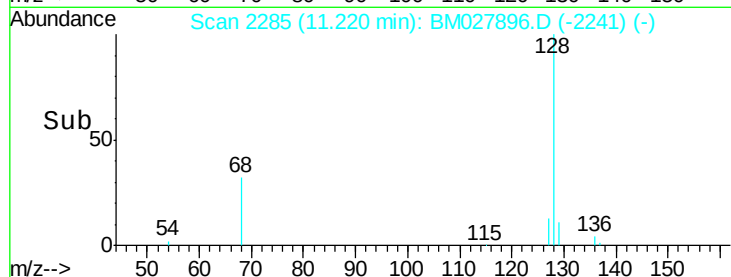
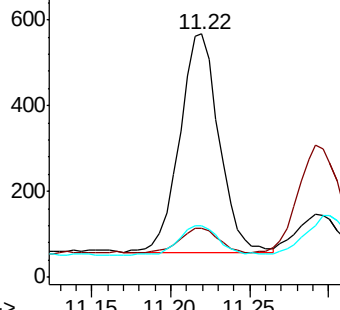


Abundance

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: 0.064 ng/ul

RT: 12.80 min Scan# 2637

Delta R.T. -0.00 min

Lab File: BM027896.D

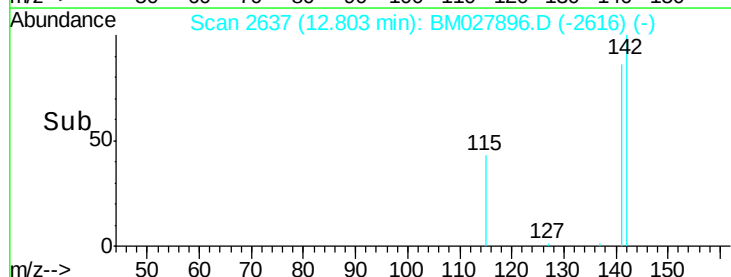
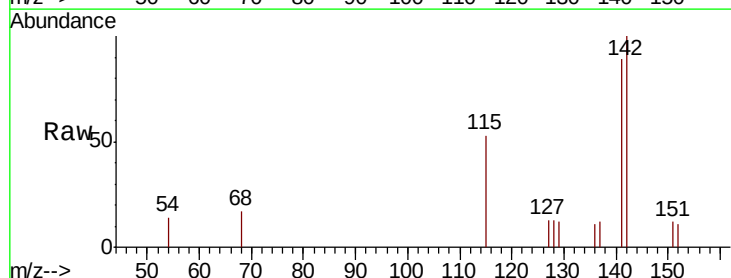
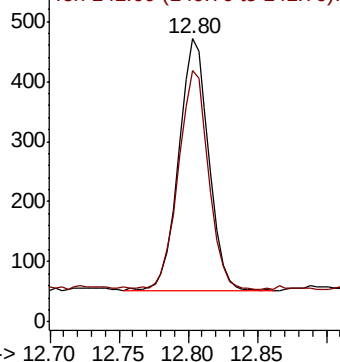
Acq: 22 Nov 2020 00:10

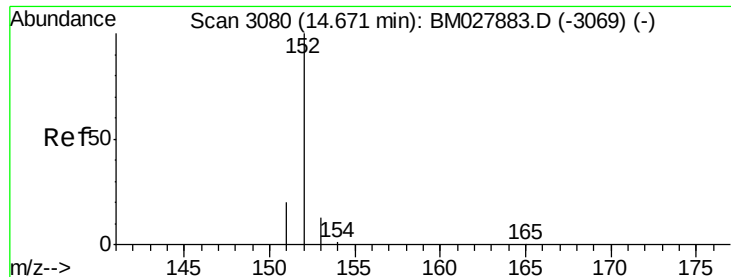
Tgt Ion	Ratio	Lower	Upper
142	100		
141	86.7	71.6	107.4

Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.163 ng/ul

RT: 14.67 min Scan# 3081

Delta R.T. -0.00 min

Lab File: BM027896.D

Acq: 22 Nov 2020 00:10

Instrument :

BNA_M

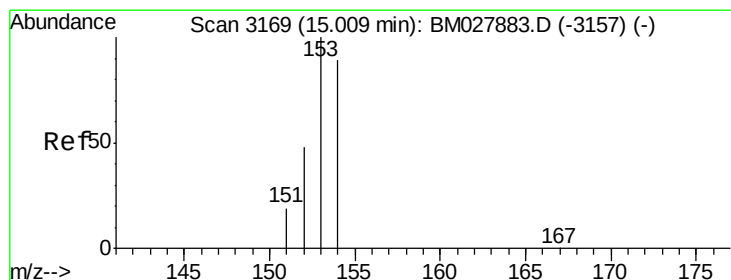
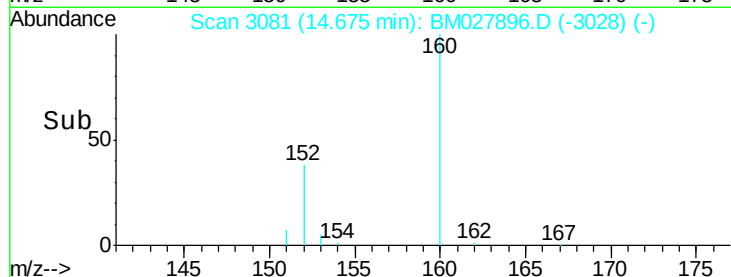
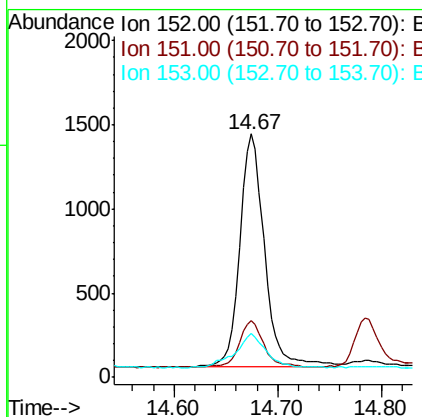
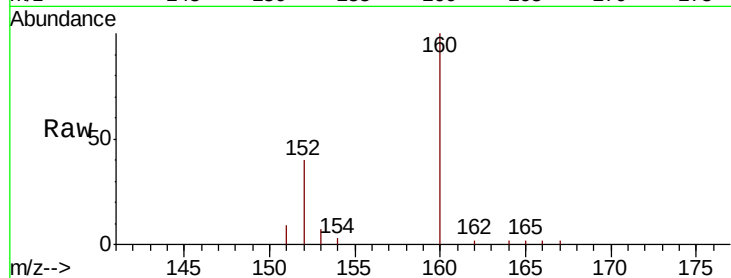
ClientSampleId :

C0AZ8

Tot Ion:	152	Resp:	2292
Ion Ratio	Lower	Upper	
152	100		
151	23.2	17.1	25.7
153	18.0	12.0	18.0

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#8

Acenaphthene

Concen: 0.054 ng/ul

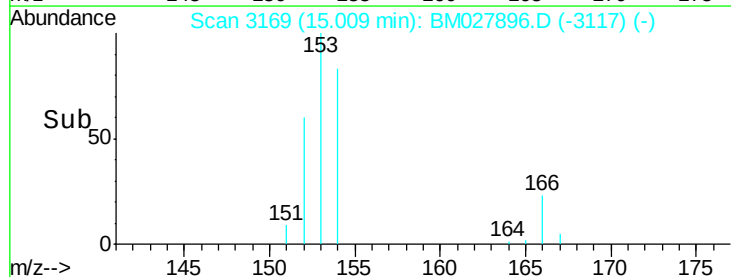
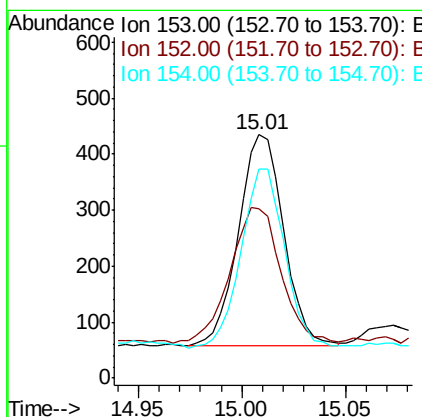
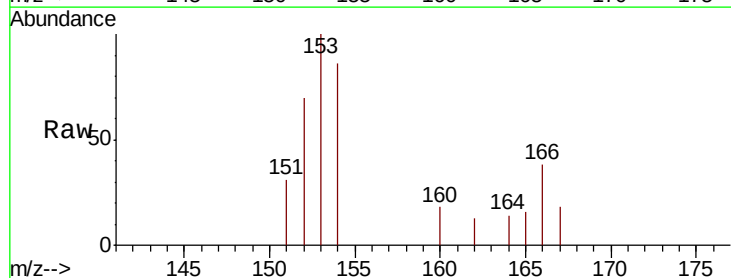
RT: 15.01 min Scan# 3169

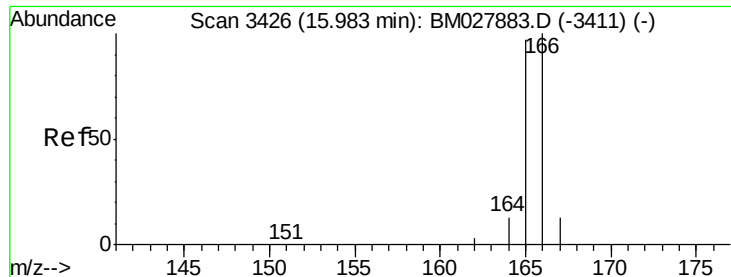
Delta R.T. -0.00 min

Lab File: BM027896.D

Acq: 22 Nov 2020 00:10

Tgt Ion:	153	Resp:	571
Ion Ratio	Lower	Upper	
153	100		
152	69.7	39.0	58.6#
154	86.0	71.6	107.4





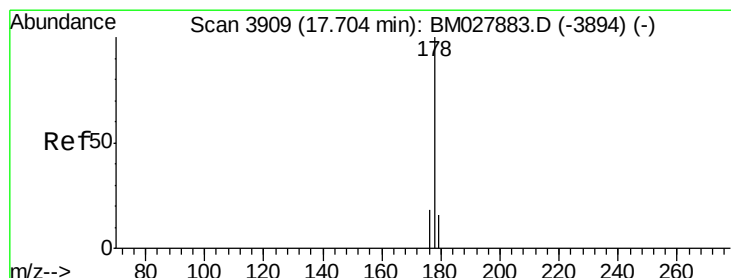
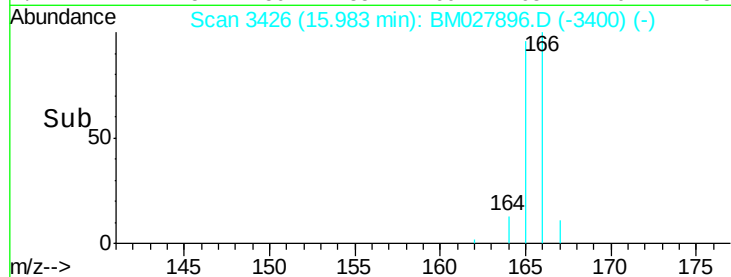
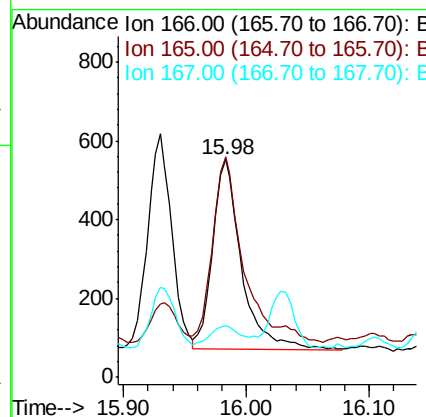
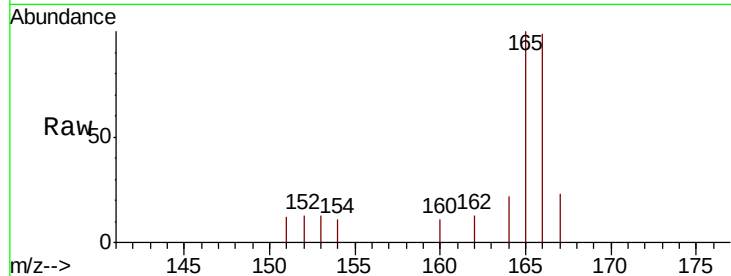
#9
Fluorene
 Concen: 0.064 ng/ul
 RT: 15.98 min Scan# 3426
 Delta R.T. -0.00 min
 Lab File: BM027896.D
 Acq: 22 Nov 2020 00:10

Instrument :
 BNA_M
 ClientSampleId :
 C0AZ8

Tot Ion	Ratio	Lower	Upper
166	100		
165	101.3	78.1	117.1
167	23.7	11.8	17.8

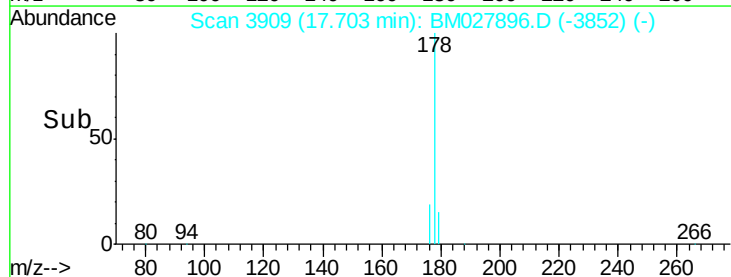
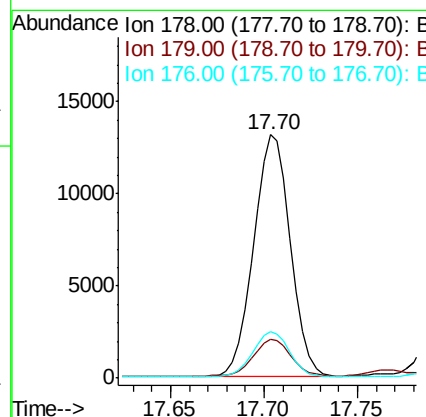
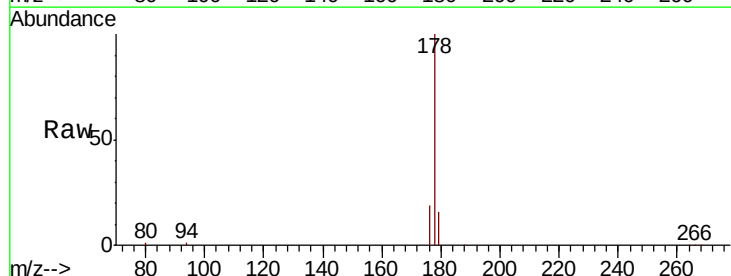
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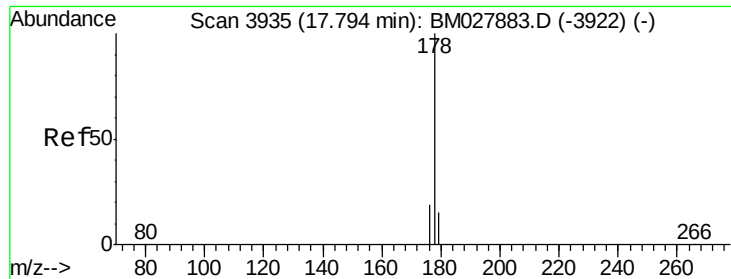
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#12
Phenanthrene
 Concen: 1.193 ng/ul
 RT: 17.70 min Scan# 3909
 Delta R.T. -0.00 min
 Lab File: BM027896.D
 Acq: 22 Nov 2020 00:10

Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.0	13.6	20.4
176	19.1	16.1	24.1





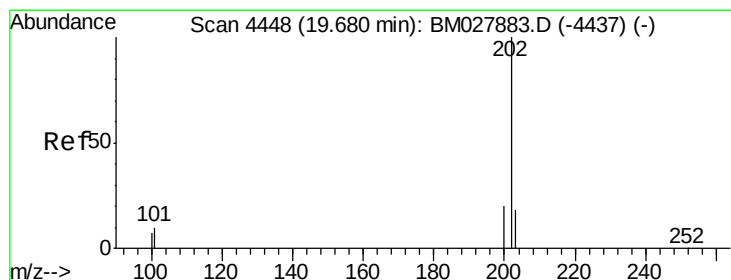
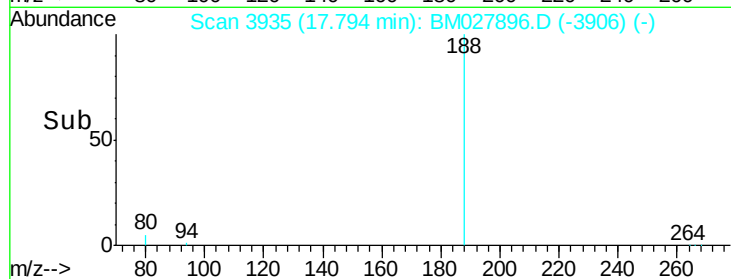
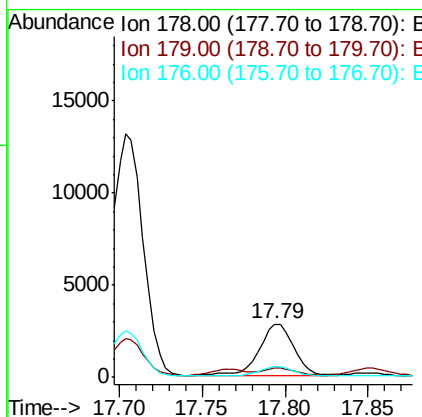
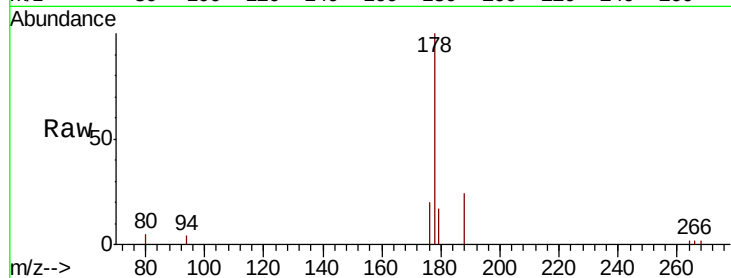
#13
 Anthracene
 Concen: 0.278 ng/ul
 RT: 17.79 min Scan# 3935
 Delta R.T. -0.00 min
 Lab File: BM027896.D
 Acq: 22 Nov 2020 00:10

Instrument :
 BNA_M
 ClientSampleId :
 C0AZ8

Tot Ion	Ratio	Lower	Upper
178	100		
179	17.3	13.4	20.2
176	20.3	15.0	22.6

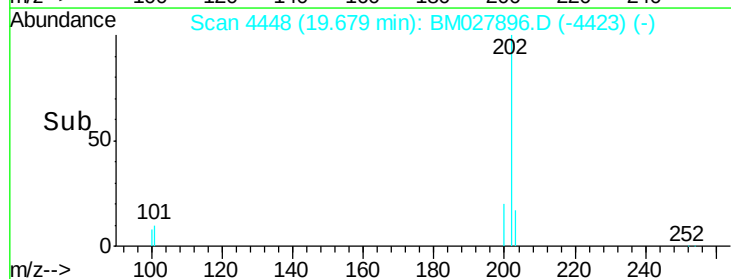
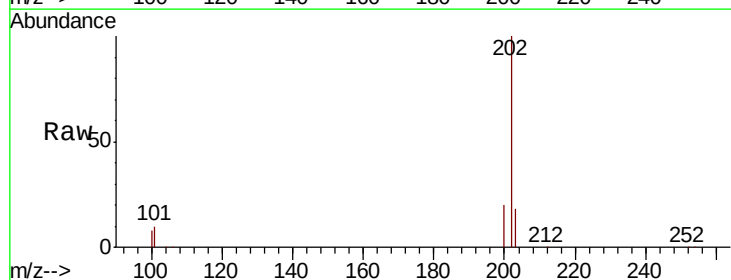
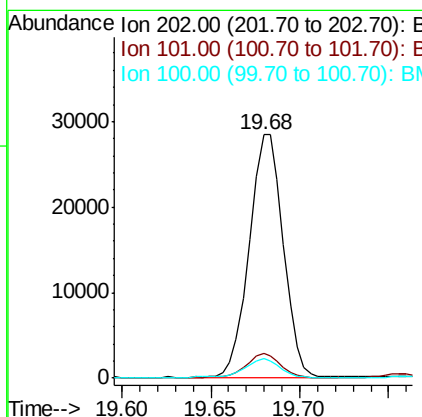
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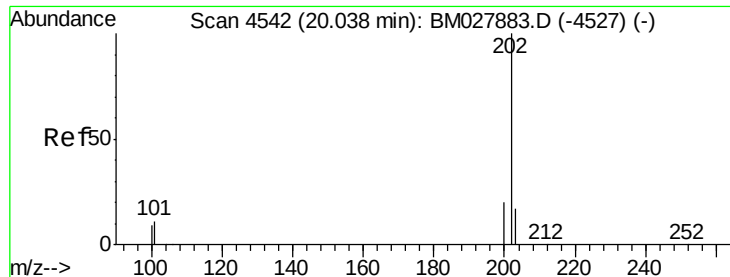
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#15
 Fluoranthene
 Concen: 2.242 ng/ul
 RT: 19.68 min Scan# 4448
 Delta R.T. -0.00 min
 Lab File: BM027896.D
 Acq: 22 Nov 2020 00:10

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.9	0.0	29.3
100	7.9	0.0	27.4





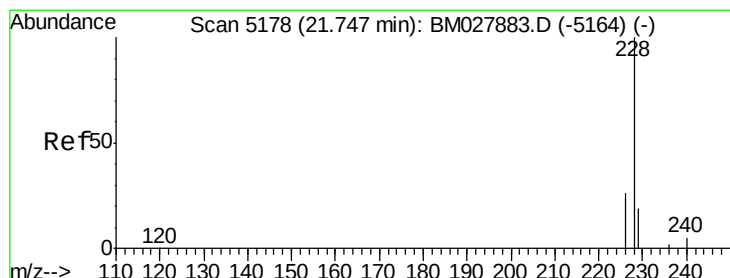
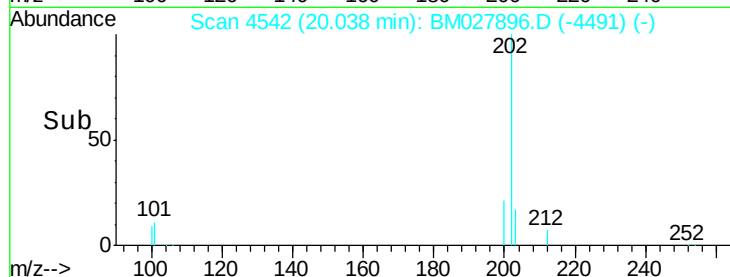
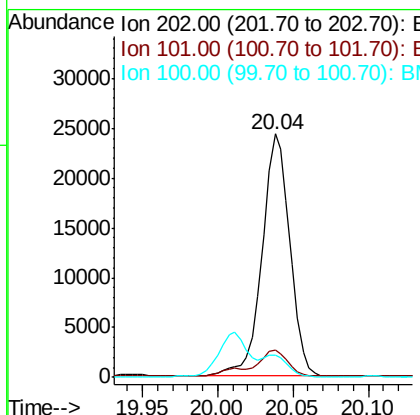
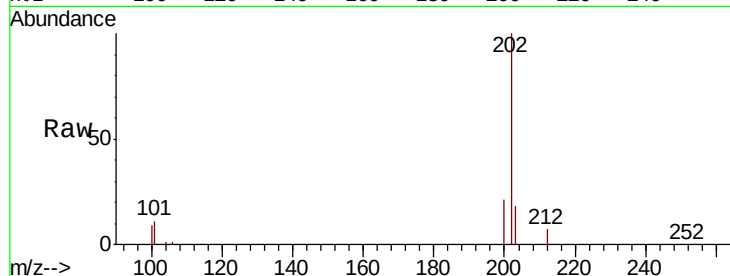
#17
Pvrene
Concen: 2.465 ng/ul
RT: 20.04 min Scan# 4542
Delta R.T. -0.00 min
Lab File: BM027896.D
Acq: 22 Nov 2020 00:10

Instrument :
BNA_M
ClientSampleId :
C0AZ8

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	11.2	8.2	12.2
100	9.3	6.9	10.3

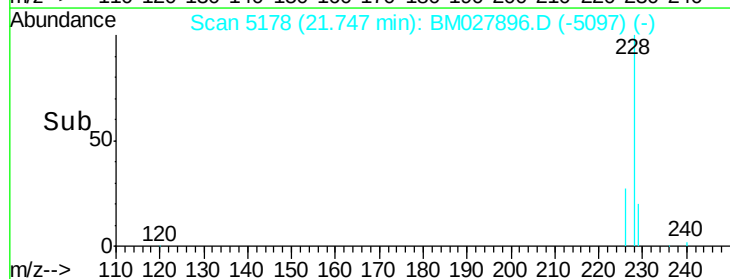
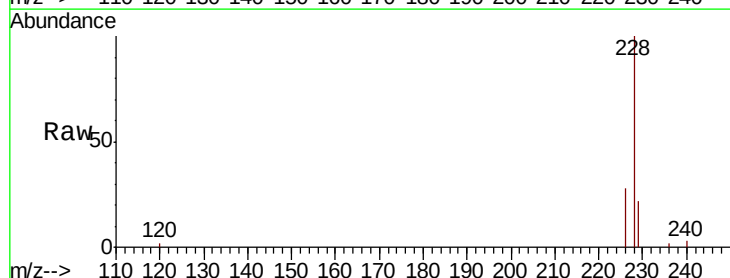
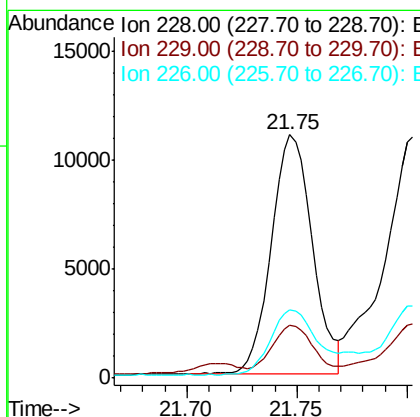
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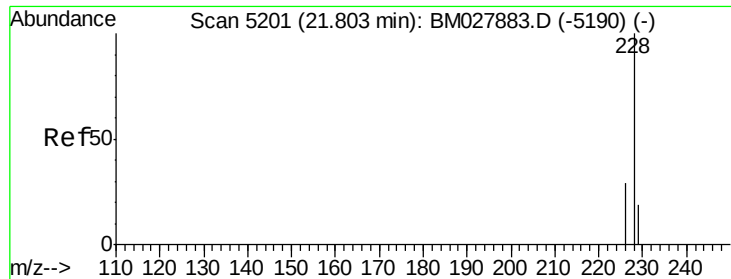
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#18
Benzo(a)anthracene
Concen: 1.404 ng/ul
RT: 21.75 min Scan# 5178
Delta R.T. -0.01 min
Lab File: BM027896.D
Acq: 22 Nov 2020 00:10

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
229	21.6	16.2	24.4
226	28.0	21.5	32.3





#19

Chrysene

Concen: 1.651 ng/ul

RT: 21.80 min Scan# 5201

Delta R.T. -0.01 min

Lab File: BM027896.D

Acq: 22 Nov 2020 00:10

Instrument :

BNA_M

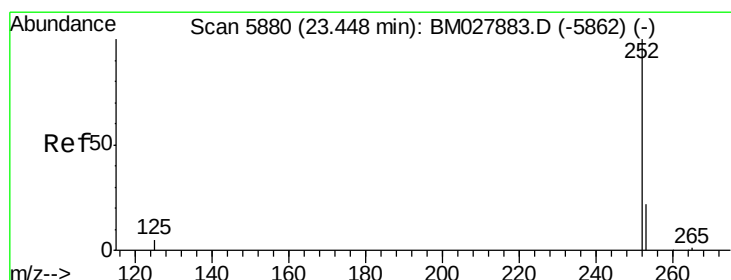
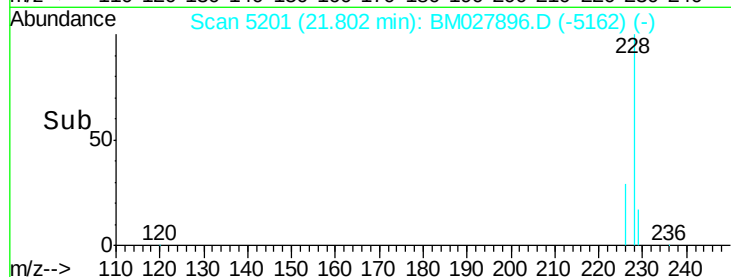
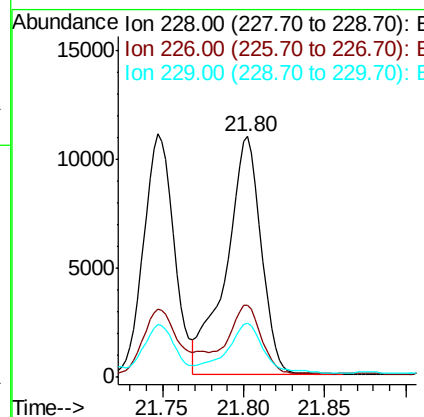
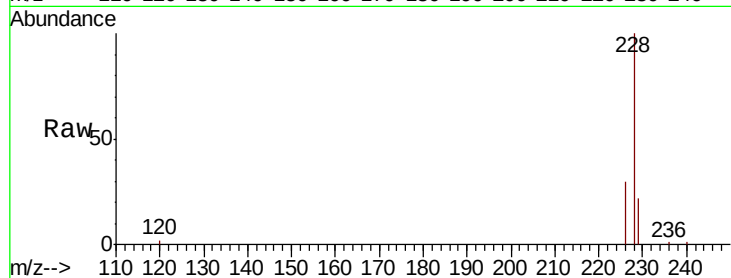
ClientSampled :

C0AZ8

Tot Ion:	228	Resp:	16400
Ion Ratio	Lower	Upper	
228	100		
226	30.1	24.1	36.1
229	22.5	16.6	24.8

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#21

Benzo(b)fluoranthene

Concen: 1.855 ng/ul m

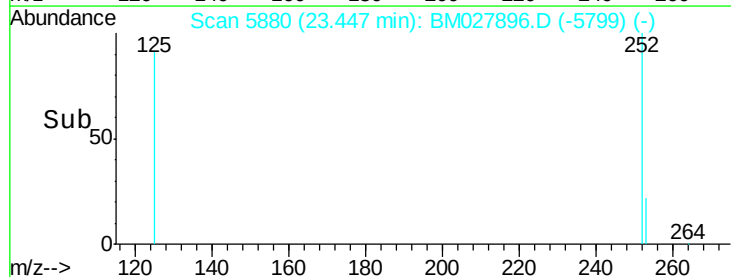
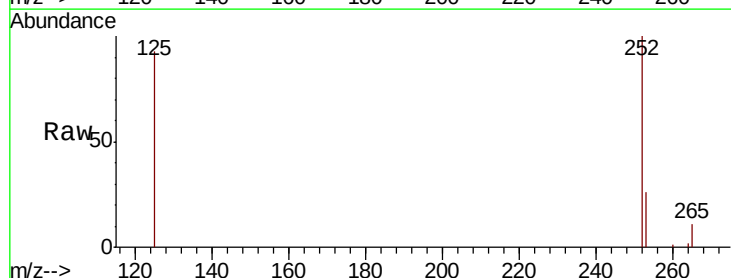
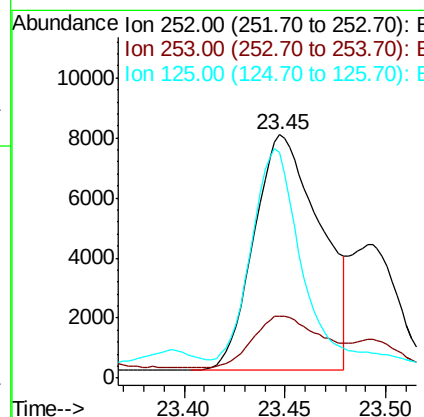
RT: 23.45 min Scan# 5880

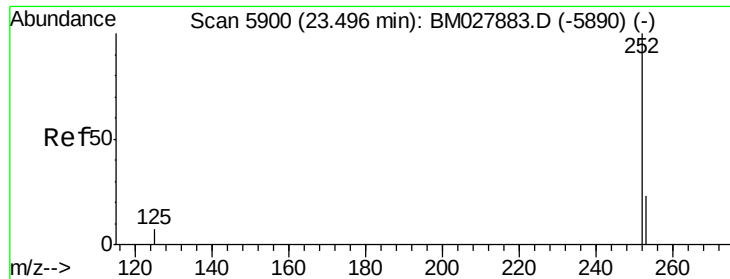
Delta R.T. -0.00 min

Lab File: BM027896.D

Acq: 22 Nov 2020 00:10

Tgt Ion:	252	Resp:	17922
Ion Ratio	Lower	Upper	
252	100		
253	25.6	0.0	59.6
125	92.9	0.0	28.4#





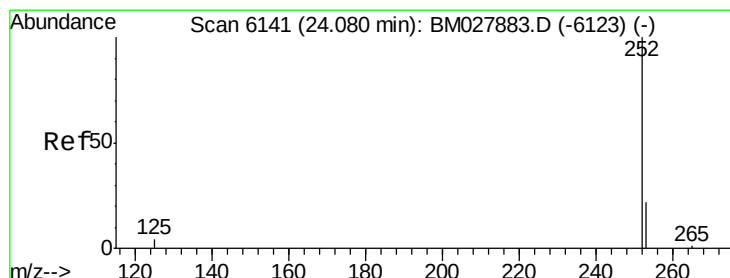
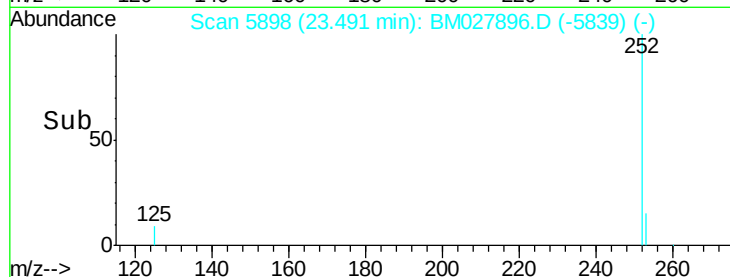
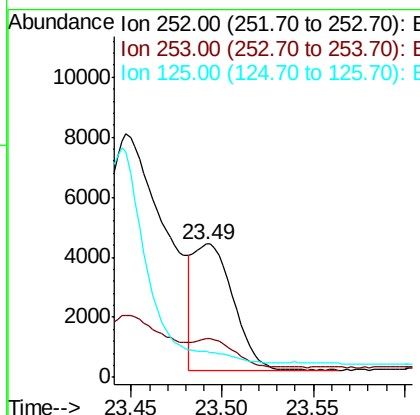
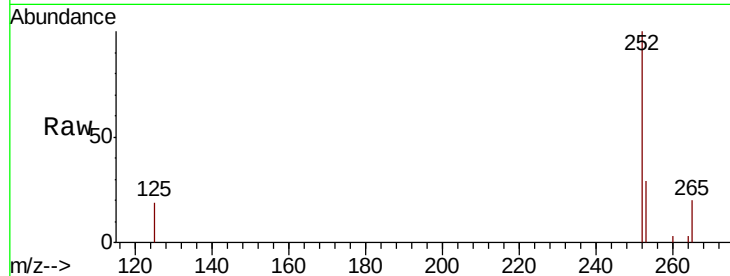
#22
Benzo(k)fluoranthene
Concen: 0.683 ng/ul m
RT: 23.49 min Scan# 5898
Delta R.T. -0.01 min
Lab File: BM027896.D
Acq: 22 Nov 2020 00:10

Instrument :
BNA_M
ClientSampleId :
C0AZ8

Tot Ion	Ratio	Lower	Upper
252	100		
253	28.8	23.2	34.8
125	19.1	11.8	17.6

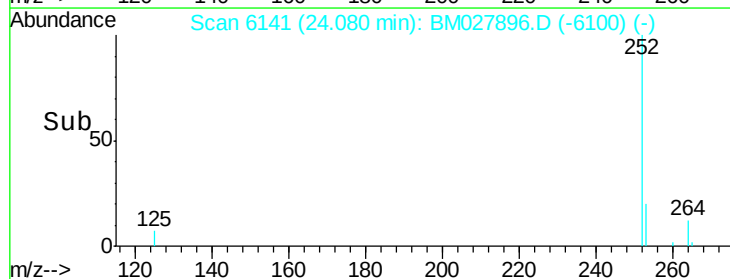
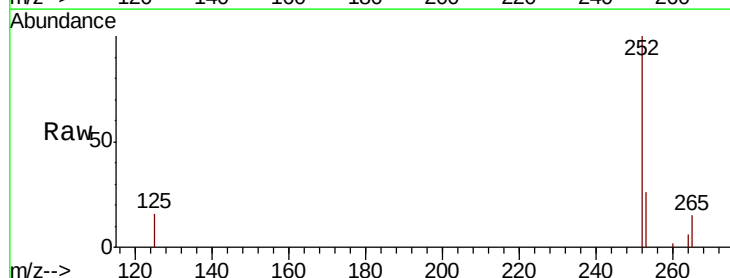
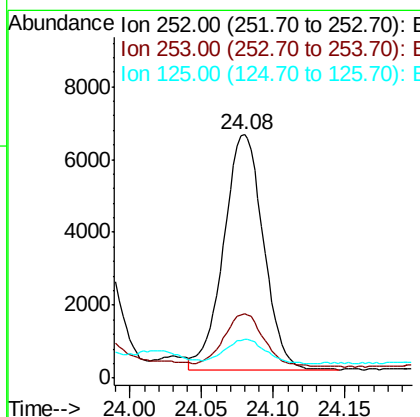
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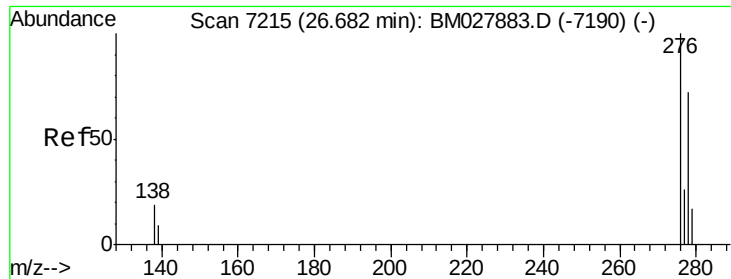
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#23
Benzo(a)pyrene
Concen: 1.469 ng/ul
RT: 24.08 min Scan# 6141
Delta R.T. -0.00 min
Lab File: BM027896.D
Acq: 22 Nov 2020 00:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.3	25.2	37.8
125	15.8	13.8	20.6





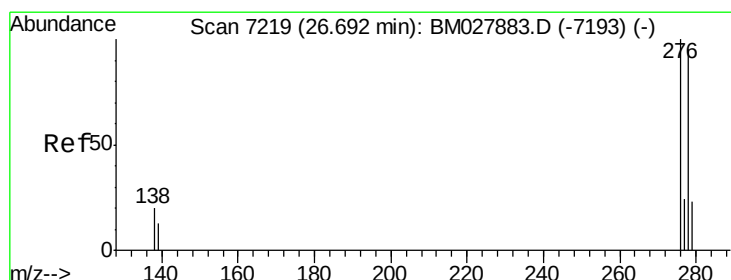
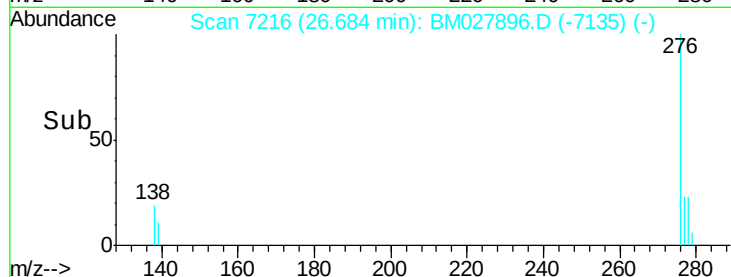
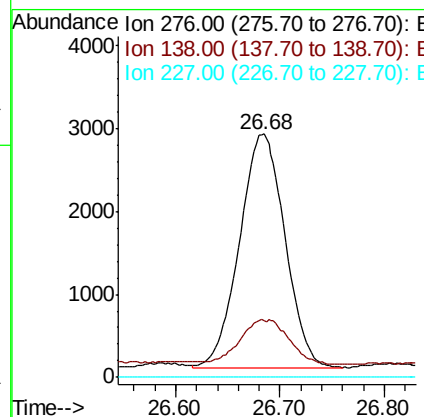
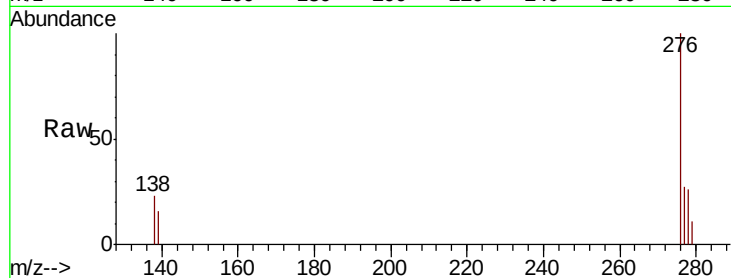
#24
Indeno(1,2,3-cd)pyrene
Concen: 0.939 ng/ul
RT: 26.68 min Scan# 7216
Delta R.T. -0.00 min
Lab File: BM027896.D
Acq: 22 Nov 2020 00:10

Instrument :
BNA_M
ClientSampleId :
C0AZ8

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.5	15.7	23.5
227	0.0	0.0	0.0

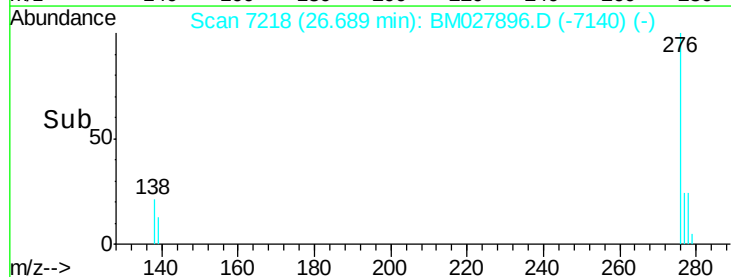
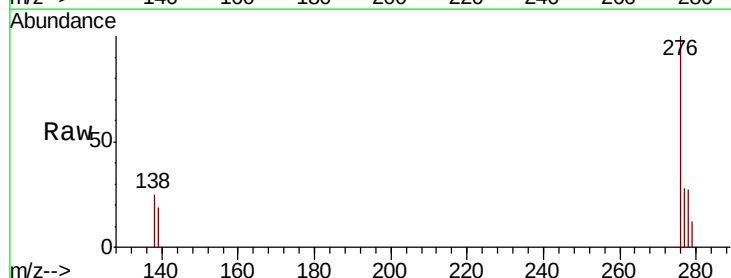
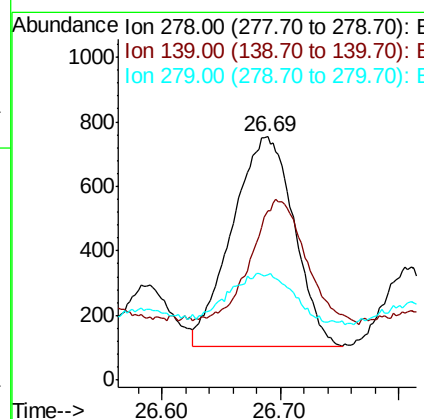
Manual Integrations
APPROVED

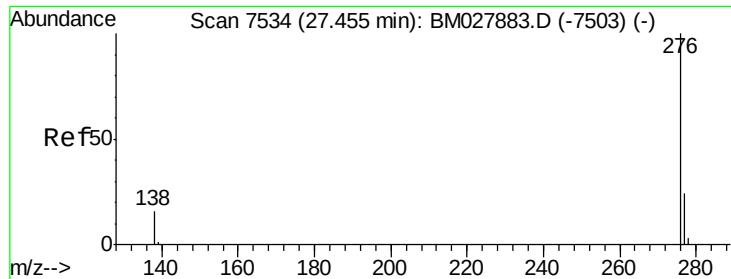
mohammad
11/24/2020 8:59:21 AM



#25
Dibenzo(a,h)anthracene
Concen: 0.310 ng/ul
RT: 26.69 min Scan# 7218
Delta R.T. -0.01 min
Lab File: BM027896.D
Acq: 22 Nov 2020 00:10

Tgt Ion	Ratio	Lower	Upper
278	100		
139	69.5	14.8	22.2#
279	43.1	25.8	38.6#





#26

Benzo(a,h,i)perylene

Concen: 1.089 ng/ul

RT: 27.46 min Scan# 7536

Delta R.T. -0.00 min

Lab File: BM027896.D

Acq: 22 Nov 2020 00:10

Instrument :

BNA_M

ClientSampleId :

C0AZ8

Tot Ion:	276	Resp:	8356
Ion Ratio	Lower	Upper	
276	100		
138	20.4	17.4	26.2
277	26.8	22.5	33.7

Manual Integrations
APPROVED

mohammad
11/24/2020 8:59:21 AM

