

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM111720\
 Data File : BM027826.D
 Acq On : 17 Nov 2020 20:15
 Operator : JU/CG
 Sample : L4762-12DL 10X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AC8DL

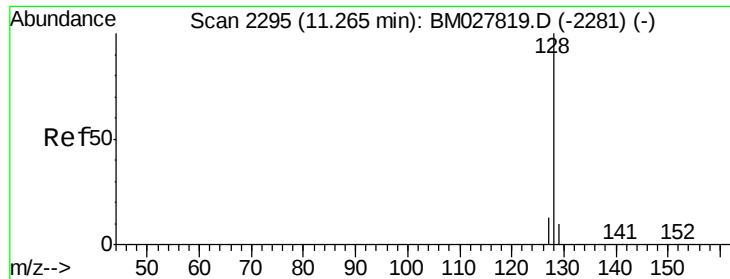
Manual Integrations
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mohammad
 11/19/2020 10:33:33 AM

Quant Time: Nov 18 01:15:06 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM111020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 17 09:19:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.38	152	1431	0.40	ng/ul	0.00
2) Naphthalene-d8	11.22	136	5388	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.99	164	2951	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.70	188	4386	0.40	ng/ul	0.00
16) Chrysene-d12	21.80	240	2939	0.40	ng/ul	0.00
20) Perylene-d12	24.24	264	2726	0.40	ng/ul	0.02
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.77	152	478	0.05	ng/ul	0.00
14) Fluoranthene-d10	19.68	212	479	0.04	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	11.26	128	7312	0.425	ng/ul#	93
5) 2-Methylnaphthalene	12.85	142	20670	1.726	ng/ul	97
7) Acenaphthylene	14.71	152	2199	0.151	ng/ul#	7
8) Acenaphthene	15.05	153	4302	0.387	ng/ul#	74
9) Fluorene	16.02	166	4091	0.306	ng/ul#	71
11) Pentachlorophenol	17.35	266	47	0.030	ng/ul	94
12) Phenanthrene	17.74	178	55776	3.906	ng/ul	98
13) Anthracene	17.83	178	5341	0.384	ng/ul#	74
15) Fluoranthene	19.71	202	11219	0.686	ng/ul	89
17) Pyrene	20.07	202	45245	3.471	ng/ul#	91
18) Benzo(a)anthracene	21.78	228	5887	0.501	ng/ul#	30
19) Chrysene	21.84	228	15194m	1.270	ng/ul	
21) Benzo(b)fluoranthene	23.50	252	5179m	0.415	ng/ul	
22) Benzo(k)fluoranthene	23.54	252	1098m	0.090	ng/ul	
23) Benzo(a)pyrene	24.13	252	3253	0.297	ng/ul#	12
24) Indeno(1,2,3-cd)pyrene	26.76	276	1860	0.149	ng/ul#	97
25) Dibenzo(a,h)anthracene	26.75	278	844	0.081	ng/ul#	1
26) Benzo(g,h,i)perylene	27.55	276	2917	0.276	ng/ul#	57

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



#3

Naphthalene

Concen: 0.425 ng/ul

RT: 11.26 min Scan# 2295

Delta R.T. 0.00 min

Lab File: BM027826.D

Acq: 17 Nov 2020 20:15

Instrument :

BNA_M

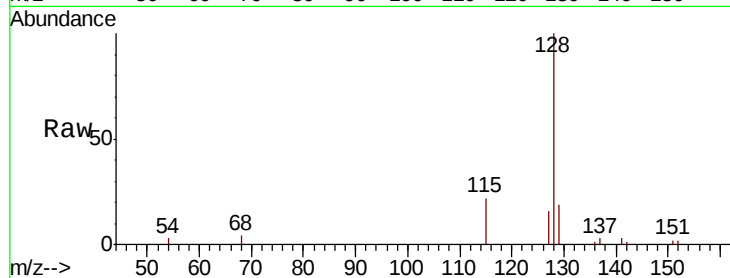
ClientSampleId :

C0AC8DL

Tot Ion:128	Resp:	7312
Ion Ratio	Lower	Upper
128	100	
129	18.7	11.0 16.4#
127	16.4	12.4 18.6

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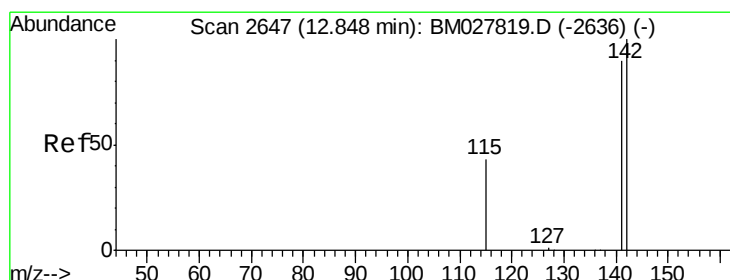
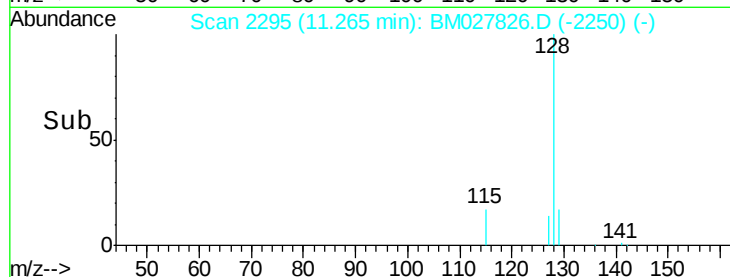
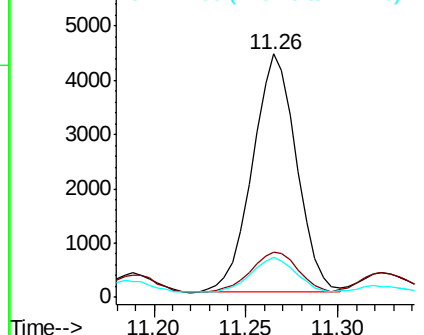
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#5

2-Methylnaphthalene

Concen: 1.726 ng/ul

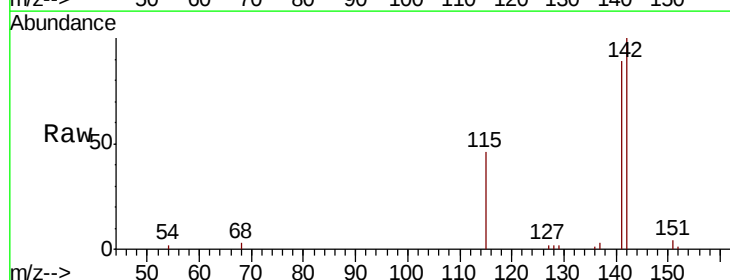
RT: 12.85 min Scan# 2647

Delta R.T. 0.00 min

Lab File: BM027826.D

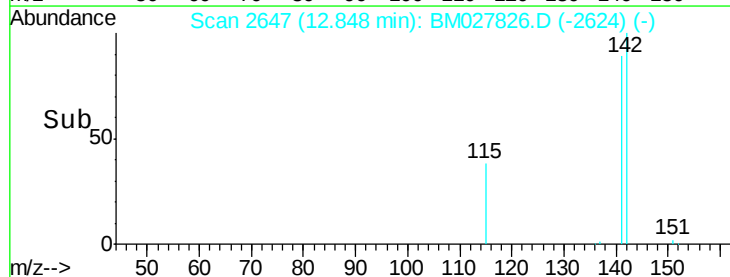
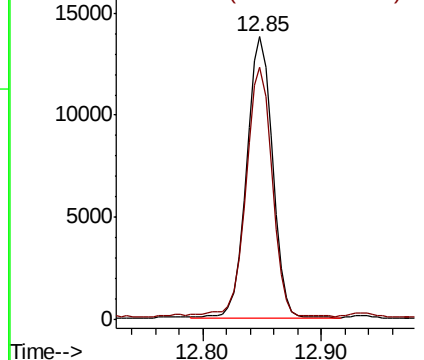
Acq: 17 Nov 2020 20:15

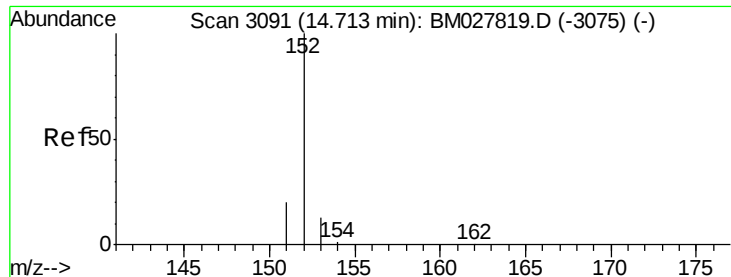
Tgt Ion:142	Resp:	20670
Ion Ratio	Lower	Upper
142	100	
141	89.9	70.0 105.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.151 ng/ul

RT: 14.71 min Scan# 3091

Delta R.T. 0.00 min

Lab File: BM027826.D

Acq: 17 Nov 2020 20:15

Instrument :

BNA_M

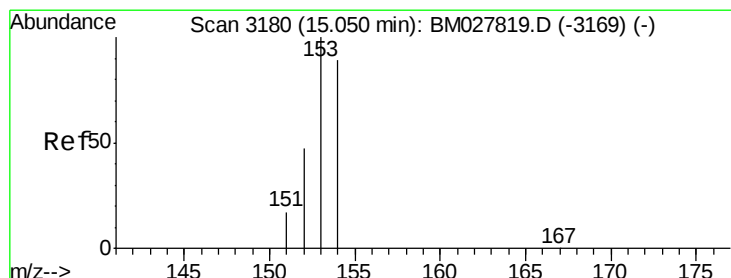
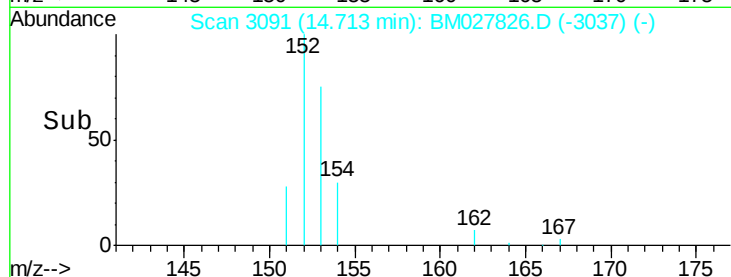
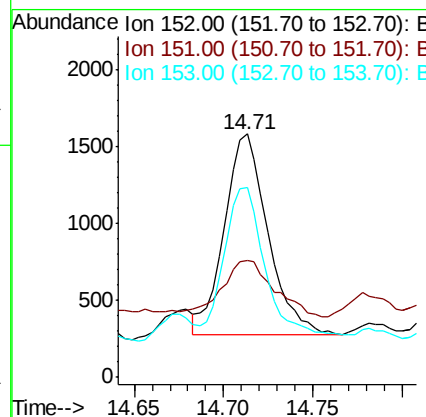
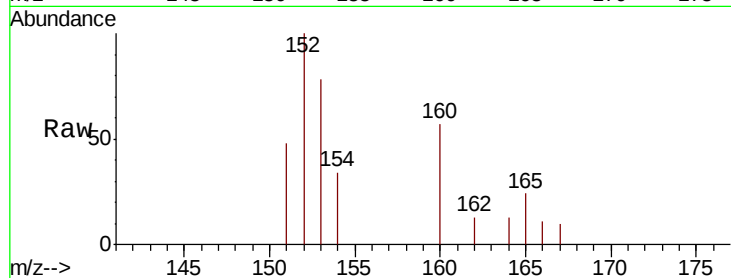
ClientSampleId :

C0AC8DL

Tot Ion:	152	Resp:	2199
Ion Ratio	Lower	Upper	
152	100		
151	47.8	17.8	26.6#
153	77.9	11.8	17.8#

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#8

Acenaphthene

Concen: 0.387 ng/ul

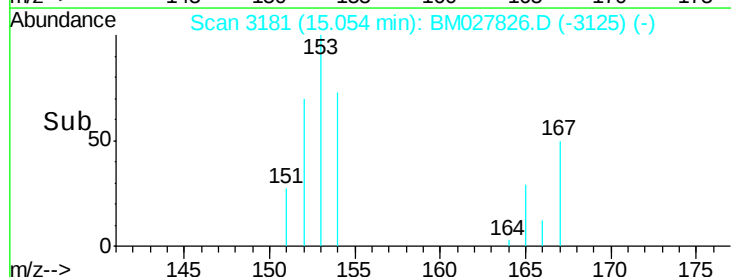
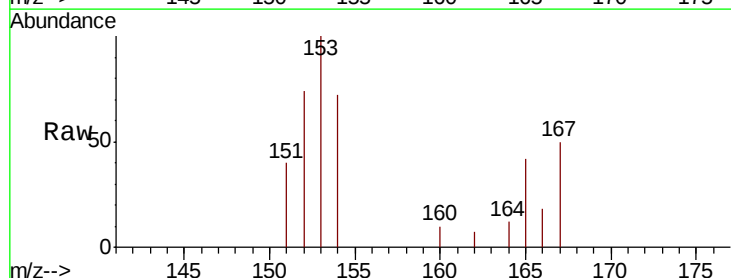
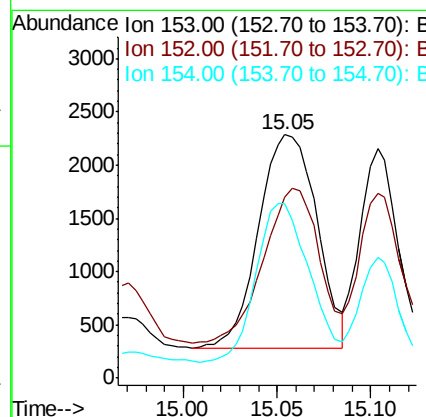
RT: 15.05 min Scan# 3181

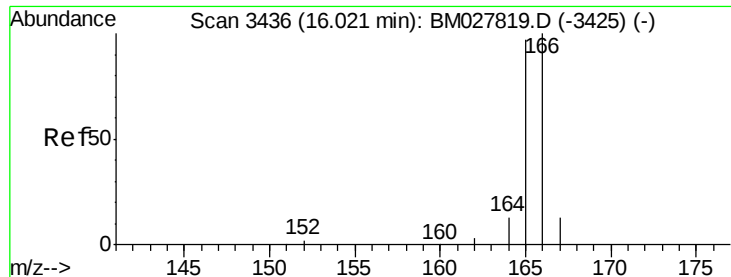
Delta R.T. 0.01 min

Lab File: BM027826.D

Acq: 17 Nov 2020 20:15

Tgt Ion:	153	Resp:	4302
Ion Ratio	Lower	Upper	
153	100		
152	74.1	38.6	58.0#
154	71.8	72.0	108.0#





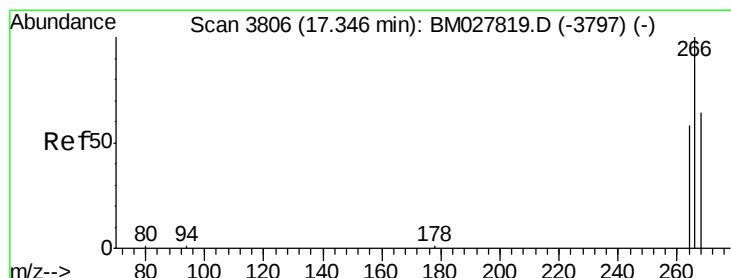
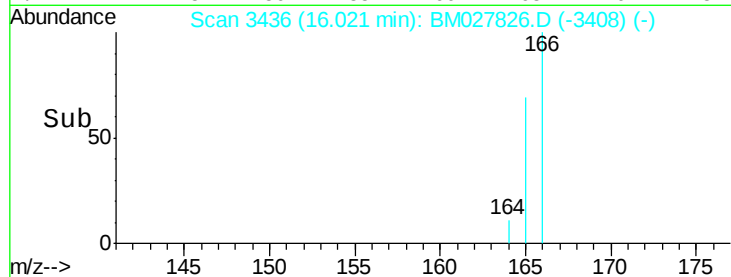
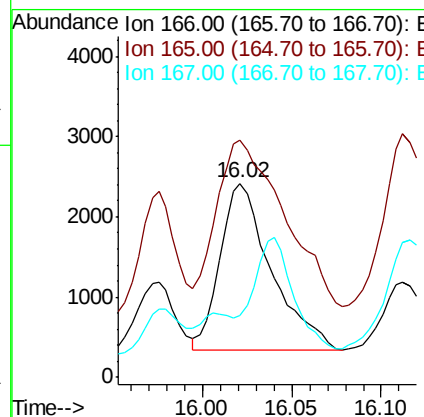
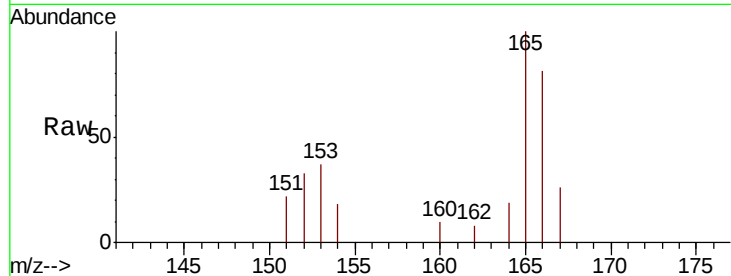
#9
Fluorene
 Concen: 0.306 ng/ul
 RT: 16.02 min Scan# 3436
 Delta R.T. 0.01 min
 Lab File: BM027826.D
 Acq: 17 Nov 2020 20:15

Instrument :
 BNA_M
 ClientSampleId :
 C0AC8DL

Tot Ion	Ratio	Lower	Upper
166	100		
165	122.8	76.9	115.3#
167	31.7	12.0	18.0#

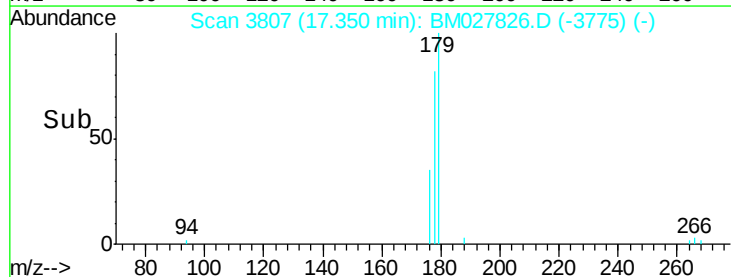
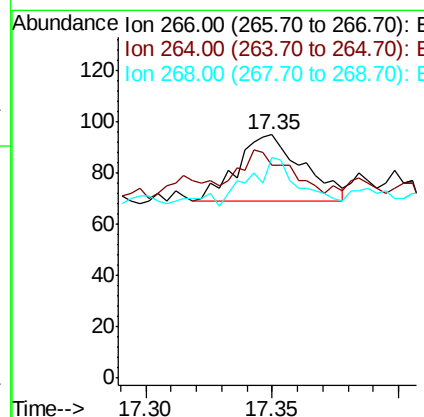
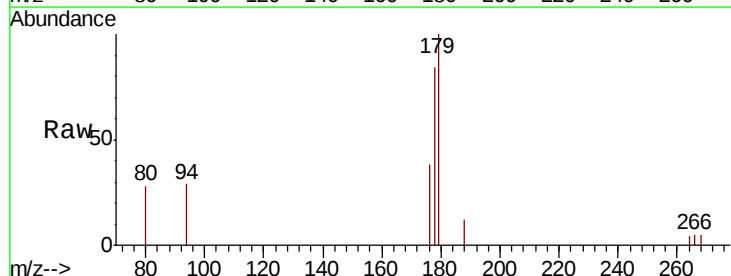
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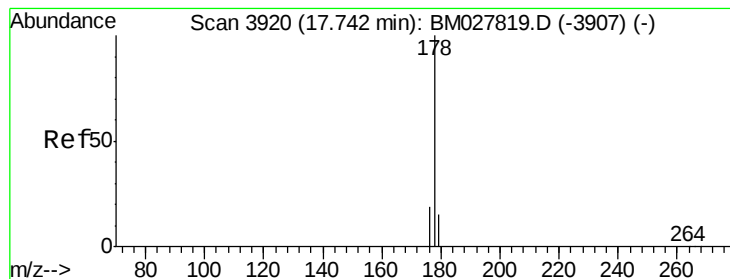
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#11
Pentachlorophenol
 Concen: 0.030 ng/ul
 RT: 17.35 min Scan# 3807
 Delta R.T. 0.01 min
 Lab File: BM027826.D
 Acq: 17 Nov 2020 20:15

Tgt Ion	Ratio	Lower	Upper
266	100		
264	53.2	49.0	73.6
268	61.7	50.4	75.6





#12

Phenanthrene

Concen: 3.906 ng/ul

RT: 17.74 min Scan# 3920

Delta R.T. 0.01 min

Lab File: BM027826.D

Acq: 17 Nov 2020 20:15

Instrument :

BNA_M

ClientSampleId :

C0AC8DL

Tot Ion:178 Resp: 55776

Ion Ratio Lower Upper

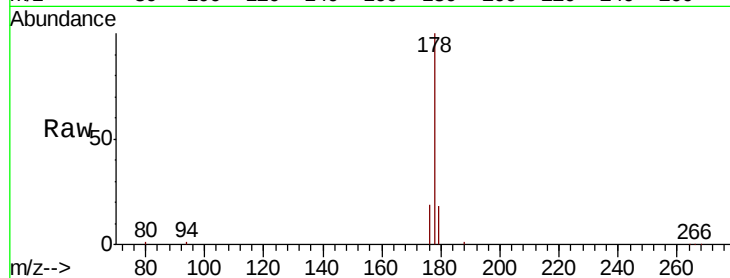
178 100

179 17.6 13.5 20.3

176 19.2 16.5 24.7

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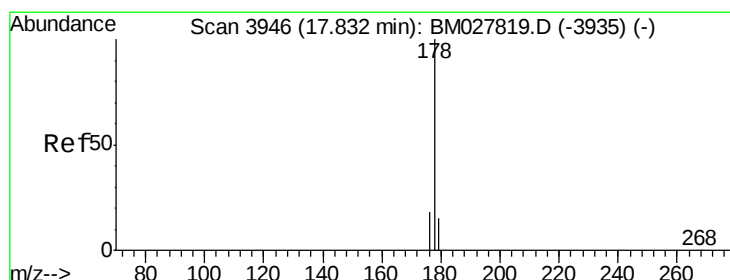
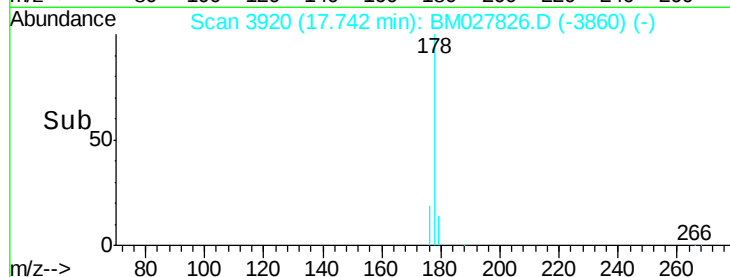
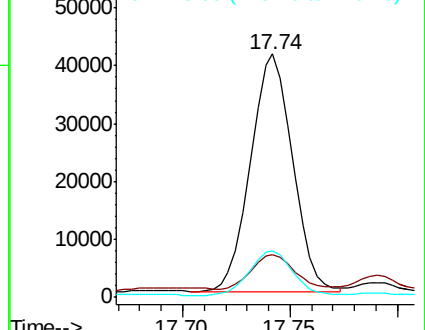


Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#13

Anthracene

Concen: 0.384 ng/ul

RT: 17.83 min Scan# 3946

Delta R.T. 0.01 min

Lab File: BM027826.D

Acq: 17 Nov 2020 20:15

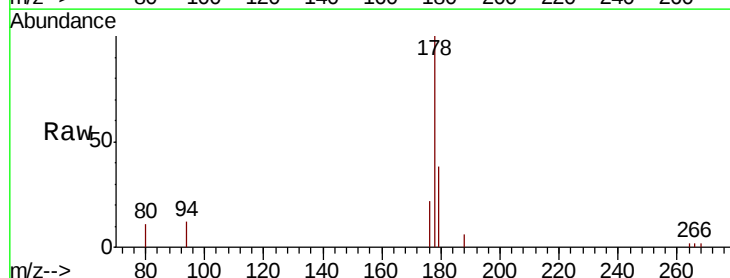
Tgt Ion:178 Resp: 5341

Ion Ratio Lower Upper

178 100

179 38.0 13.6 20.4#

176 22.1 15.4 23.2

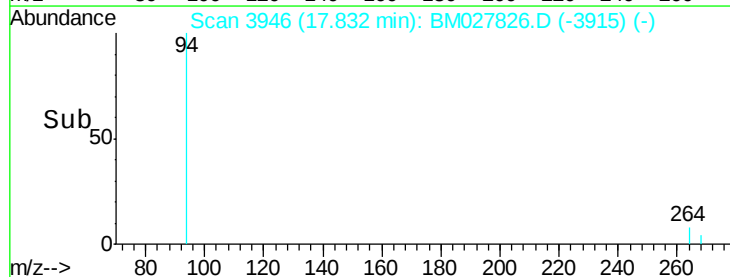
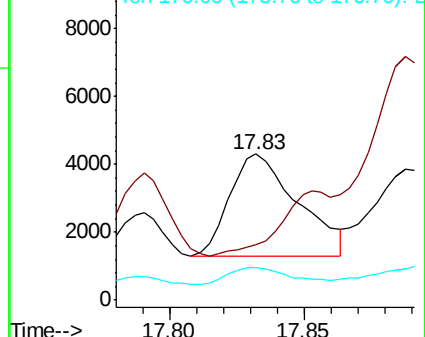


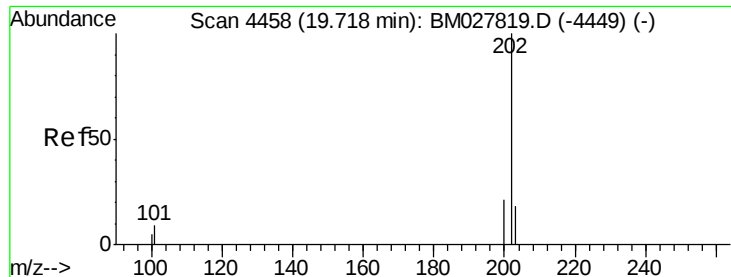
Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





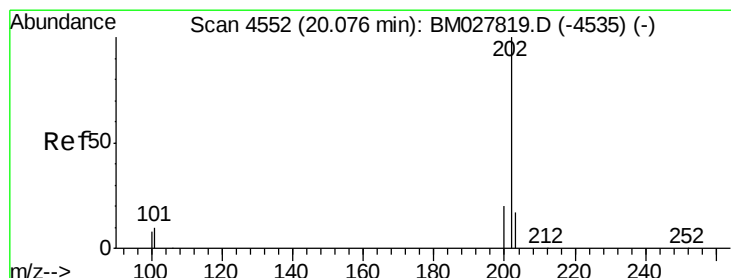
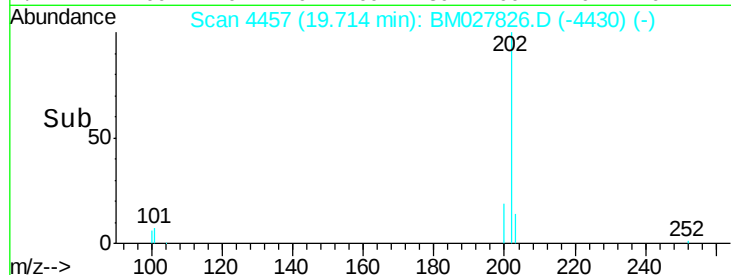
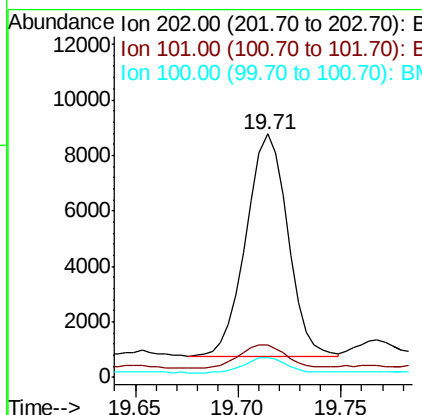
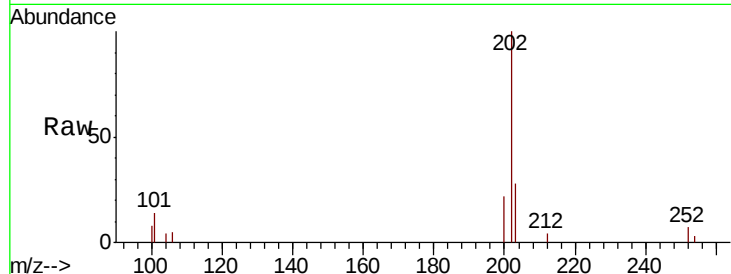
#15
Fluoranthene
 Concen: 0.686 ng/ul
 RT: 19.71 min Scan# 4457
 Delta R.T. 0.00 min
 Lab File: BM027826.D
 Acq: 17 Nov 2020 20:15

Instrument :
 BNA_M
 ClientSampleId :
 C0AC8DL

Tot Ion	Ratio	Resp	Lower	Upper
202	100	11219		
101	13.5	0.0	28.0	
100	8.0	0.0	26.3	

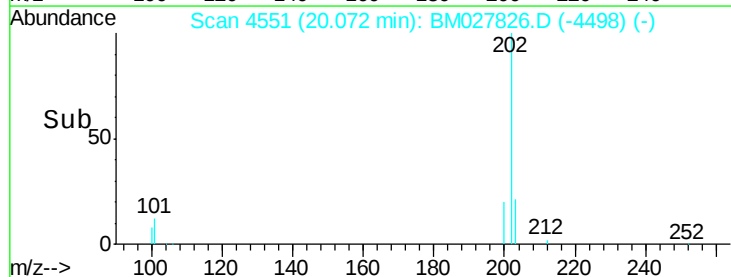
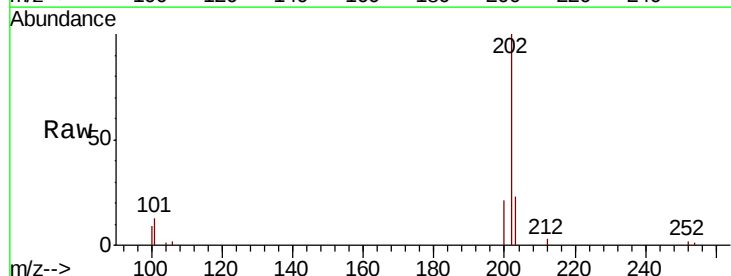
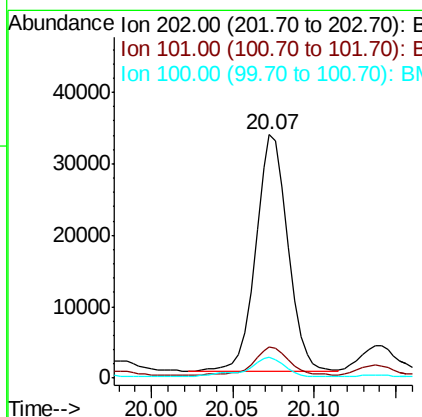
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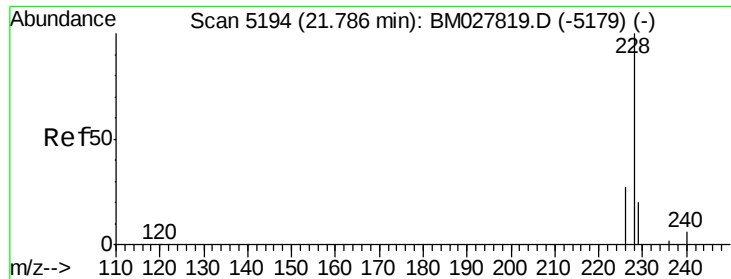
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#17
Pyrene
 Concen: 3.471 ng/ul
 RT: 20.07 min Scan# 4551
 Delta R.T. 0.00 min
 Lab File: BM027826.D
 Acq: 17 Nov 2020 20:15

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	45245		
101	12.6	6.4	9.6#	
100	8.7	5.8	8.6#	





#18

Benzo(a)anthracene

Concen: 0.501 ng/ul

RT: 21.78 min Scan# 5193

Delta R.T. 0.00 min

Lab File: BM027826.D

Acq: 17 Nov 2020 20:15

Instrument :

BNA_M

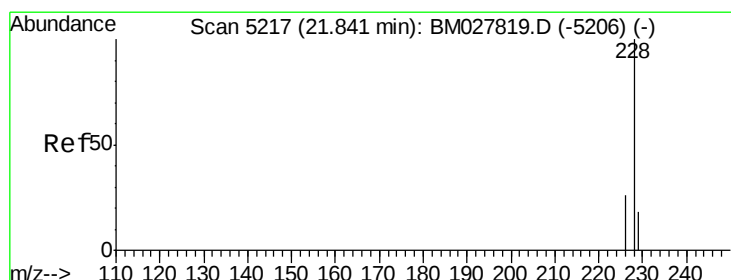
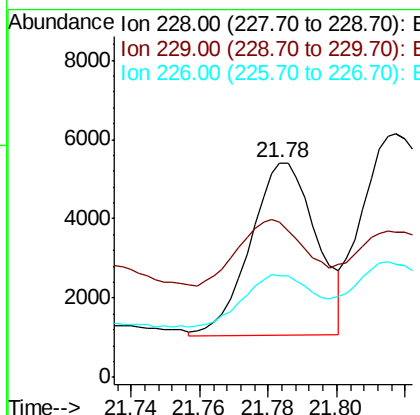
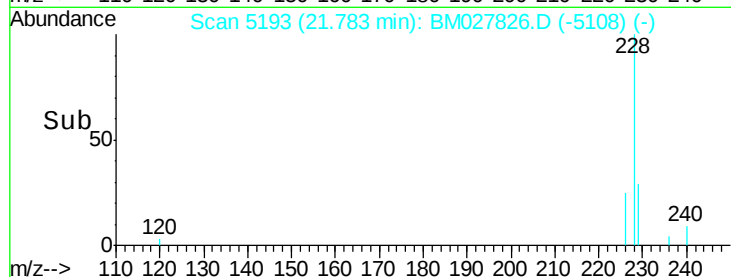
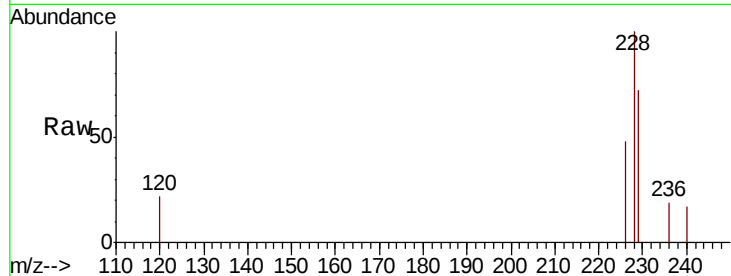
ClientSampleId :

C0AC8DL

Tot Ion:	228	Resp:	5887
Ion Ratio	Lower	Upper	
228	100		
229	72.4	15.9	23.9#
226	47.6	22.0	33.0#

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#19

Chrysene

Concen: 1.270 ng/ul m

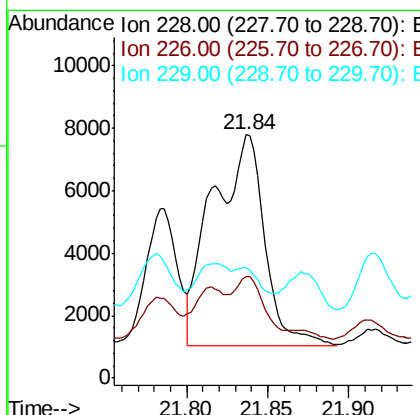
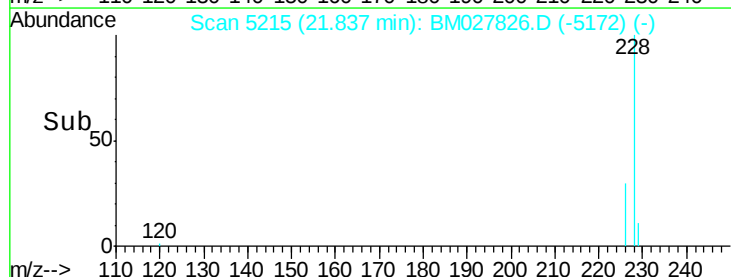
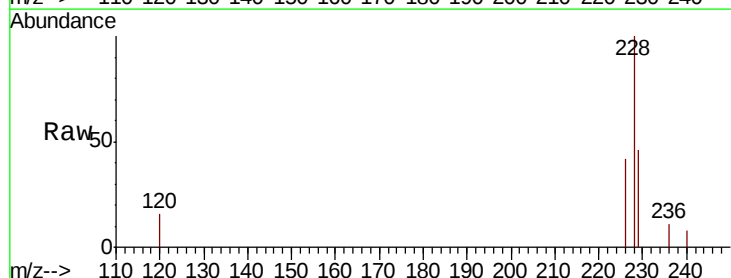
RT: 21.84 min Scan# 5215

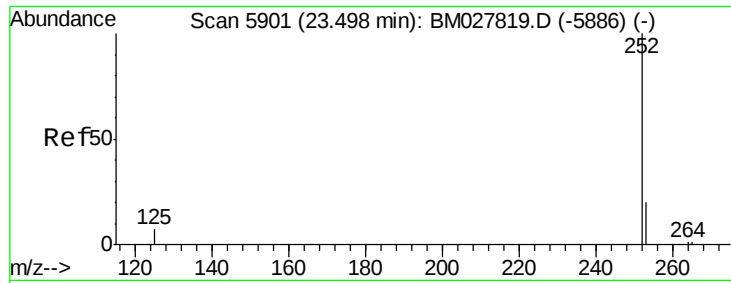
Delta R.T. 0.00 min

Lab File: BM027826.D

Acq: 17 Nov 2020 20:15

Tgt Ion:	228	Resp:	15194
Ion Ratio	Lower	Upper	
228	100		
226	41.9	24.2	36.2#
229	45.5	16.8	25.2#





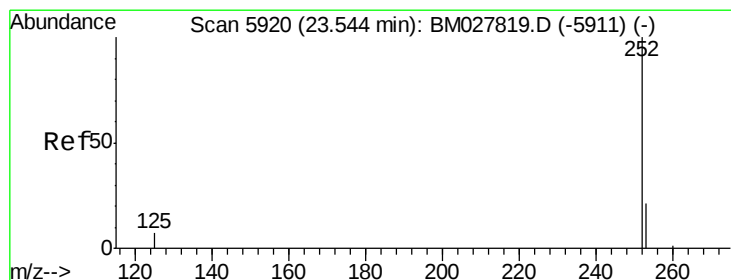
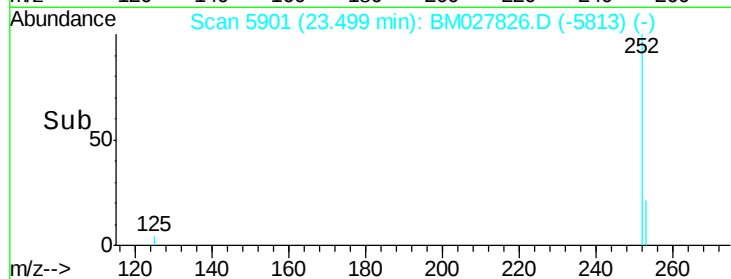
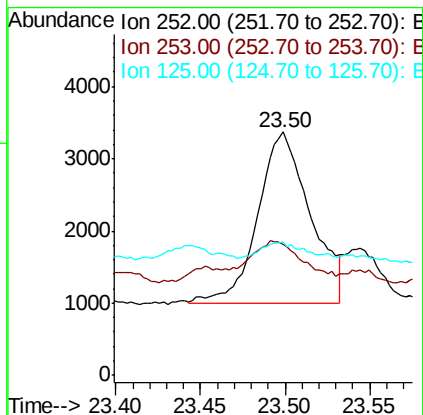
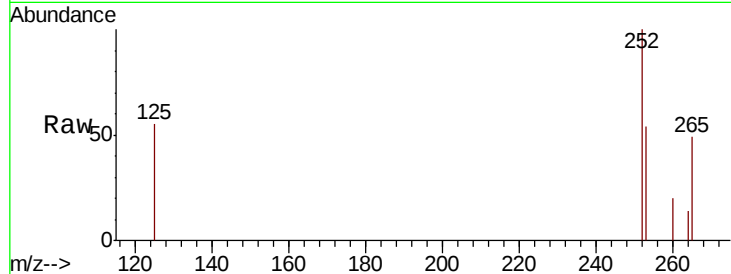
#21
Benzo(b)fluoranthene
Concen: 0.415 ng/ul m
RT: 23.50 min Scan# 5901
Delta R.T. 0.01 min
Lab File: BM027826.D
Acq: 17 Nov 2020 20:15

Instrument :
BNA_M
ClientSampleId :
C0AC8DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	53.8	0.0	52.2#
125	54.9	0.0	17.6#

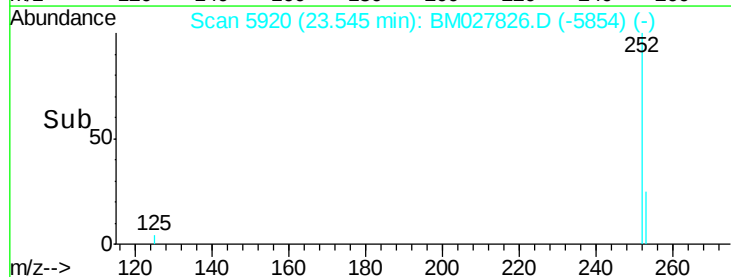
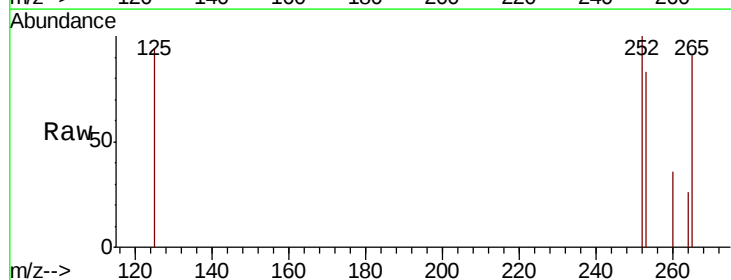
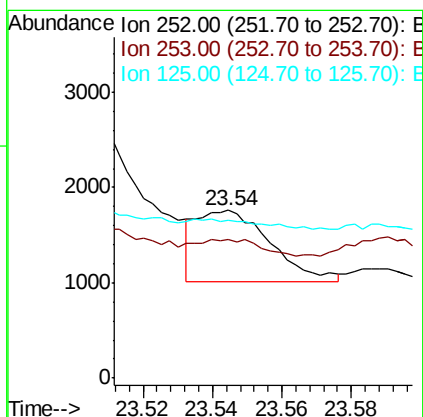
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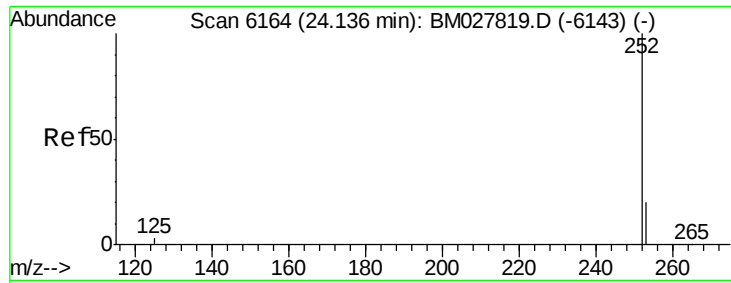
mohammad
11/19/2020 10:33:33 AM



#22
Benzo(k)fluoranthene
Concen: 0.090 ng/ul m
RT: 23.54 min Scan# 5920
Delta R.T. 0.01 min
Lab File: BM027826.D
Acq: 17 Nov 2020 20:15

Tgt Ion	Ratio	Lower	Upper
252	100		
253	83.0	20.4	30.6#
125	94.3	7.0	10.4#





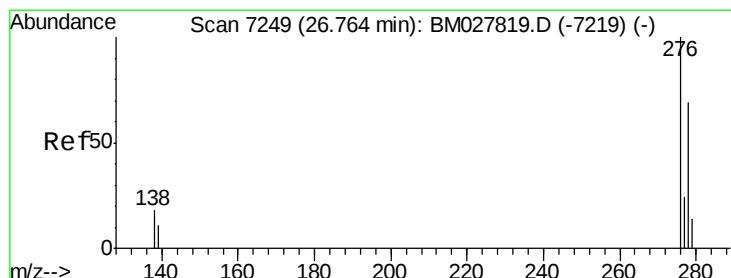
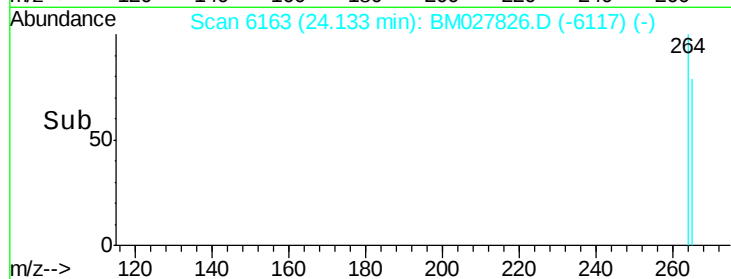
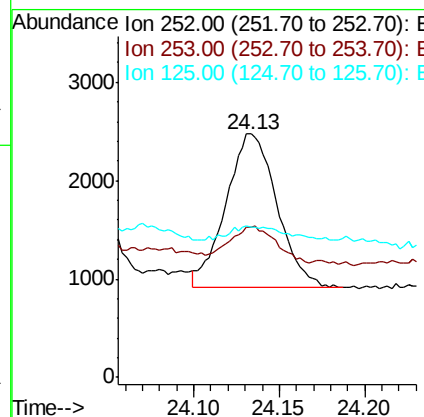
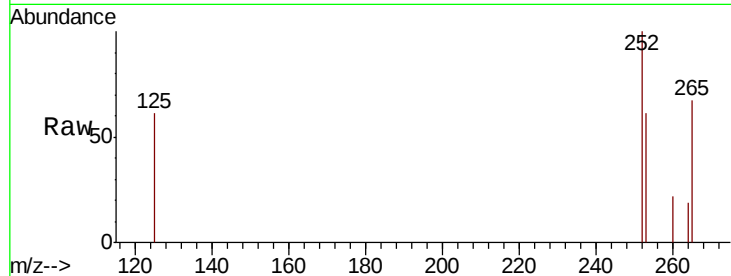
#23
Benzo(a)pyrene
Concen: 0.297 ng/u1
RT: 24.13 min Scan# 6163
Delta R.T. 0.01 min
Lab File: BM027826.D
Acq: 17 Nov 2020 20:15

Instrument :
BNA_M
ClientSampleId :
C0AC8DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	61.5	21.0	31.6#
125	61.4	7.8	11.8#

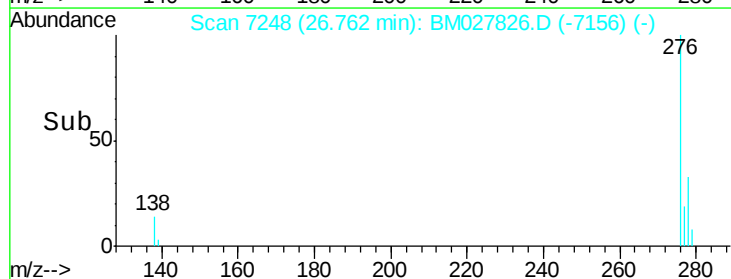
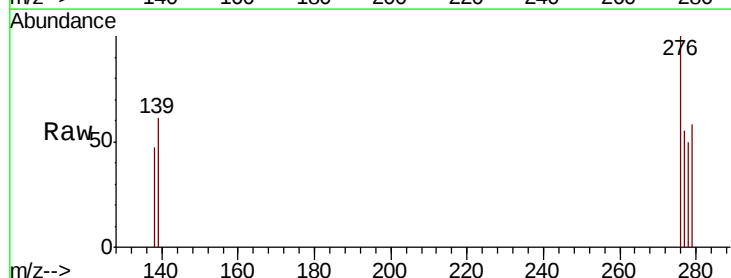
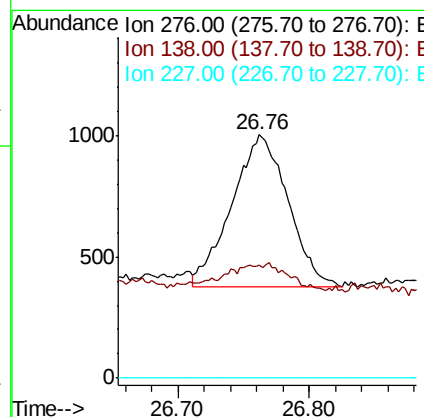
Manual Integrations
APPROVED

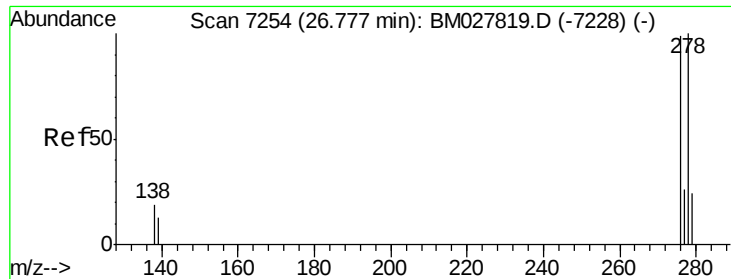
mohammad
11/19/2020 10:33:33 AM



#24
Indeno(1,2,3-cd)pyrene
Concen: 0.149 ng/u1
RT: 26.76 min Scan# 7248
Delta R.T. 0.02 min
Lab File: BM027826.D
Acq: 17 Nov 2020 20:15

Tgt Ion	Ratio	Lower	Upper
276	100		
138	14.0	12.1	18.1
227	0.0	0.0	0.0





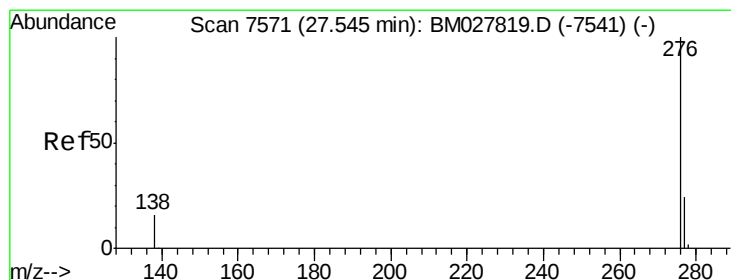
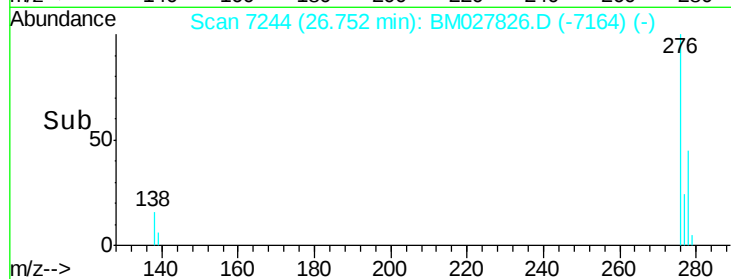
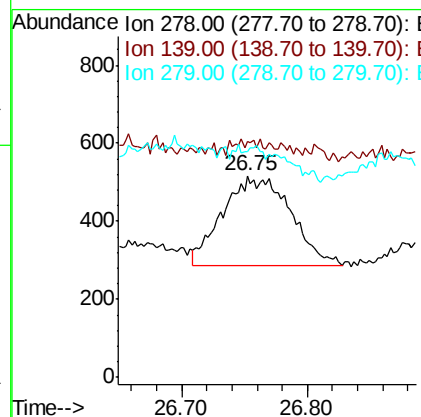
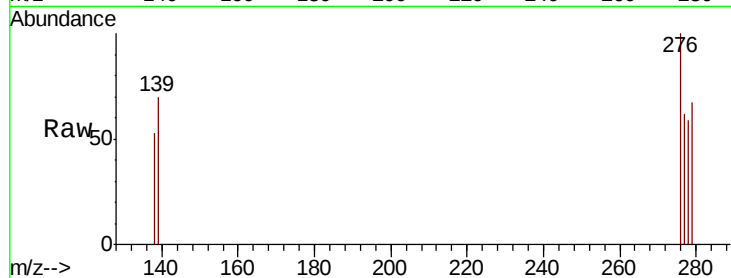
#25
Dibenzo(a,h)anthracene
Concen: 0.081 ng/u1
RT: 26.75 min Scan# 7244
Delta R.T. -0.01 min
Lab File: BM027826.D
Acq: 17 Nov 2020 20:15

Instrument :
BNA_M
ClientSampleId :
C0AC8DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	117.2	10.2	15.4#
279	112.2	21.9	32.9#

Manual Integrations
APPROVED

mohammad
11/19/2020 10:33:33 AM



#26
Benzo(g,h,i)perylene
Concen: 0.276 ng/u1
RT: 27.55 min Scan# 7572
Delta R.T. 0.03 min
Lab File: BM027826.D
Acq: 17 Nov 2020 20:15

Tgt Ion	Ratio	Lower	Upper
276	100		
138	37.4	12.8	19.2#
277	47.1	21.5	32.3#

